C.I. Pigment Violet 29 (81-33-4) Systematic Review: Supplemental File for the TSCA Risk Evaluation

Data Evaluation Scoring Sheets

Study Reference:	BASF. 2013. Physical-Chemical properties of "Paliogen Violet 5011". BASF Study No. 11L00105. Competence Center Analytics, BASF SE, D-67056 Ludwigshafen. Test Completion Date: November, 28, 2011.					
Note:	The characteristic evaluate (octanol/water par	•				
Domain	Description/ Qualitative Determin Definition [i.e., High, Medium, Unacceptable, or Not					
Representativeness	The information or data reflects the data and chemical substance type.	High				
Appropriateness	The information or data reflects anticipated results based on chemical structural features or behaviors.	Not Rated				
Evaluation/ Review	The information or data reported has reliable review.	Not Rated				
Reliability/ Unbiased (Method Objectivity)	The method for producing the data/information is not biased towards a particular product or outcome.	Not Rated				
Reliability/ Analytic Method	The information or data reported is from a reliable method.	Unacceptable				

Study Reference:	BASF. 2013. Physical-Chemical properties of "Paliogen Violet 5011". BASF Study No. 11L00105. Competence Center Analytics, BASF SE, D-67056 Ludwigshafen. Test Completion Date: November, 28, 2011.						
Note:	The characteristic evaluated in	n this form is melting point					
Domain	Description/ Domain Definition Qualitative Determin [i.e., High, Medium, Unacceptable, or rated]						
Representativeness	The information or data reflects the data and chemical substance type.	High					
Appropriateness	The information or data reflects anticipated results based on chemical structural features or behaviors.	High					
Evaluation/ Review	The information or data reported has reliable review.	Medium					
Reliability/ Unbiased (Method Objectivity)	The method for producing the data/information is not biased towards a particular product or outcome.	High					
Reliability/ Analytic Method	The information or data reported is from a reliable method.	High					

Study Reference:	Test according to GLP,	tion of the Biodegradability of Per EN 45001 and ISO 9002. Study con llytics Laboratory of Ecology D-670	ducted by B	ASF Aktienges	ellschaft Ecology
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score (Metric Score x Metric Wt. Factor)1
	1. Test Substance	High	1	2	2
Test Substance	Identity 2. Test Substance Purity	High	1	1	1
	3. Study Controls	High	1	2	2
Test Design	4. Test Substance Stability	High	1	1	1
	5. Test Method Suitability	High	1	1	1
Test Conditions	6. Testing Conditions	High	1	2	2
	7. Testing Consistency	High	1	1	1
	8. System Type and Design	N/A	N/A	N/A	N/A
Test Organisms	9. Test Organism - Degradation	High	1	2	2
rest organisms	10. Test Organism - Partitioning	N/A	N/A	N/A	N/A
Outcome Assessment	11. Outcome Assessment Methodology	High	1	1	1
	12. Sampling Methods	High	1	1	1
Confounding/	13. Confounding Variables	Medium	2	1	2
Variable Control	14. Outcomes Unrelated to Exposure	Medium	2	1	2
Data	15. Data Reporting	High	1	2	2
Presentation	16. Statistical Methods & Kinetic Calculations	Medium	2	1	2
Other	17. Verification or Plausibility of Results	High	1	1	1
Other	18. Other	High	1	1	1
	18. QSAR Models	N/A	N/A	N/A	N/A
1 1	1 1	Sum of scores:	19	21	24
High ≥1 and <1.7 ≥1	Medium Low 1.7 and <2.3	Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.143	Overall Score: (Rounded)	1.1
			Overall C	uality Level:	HIGH

Study Reference:	in the Activ conducted	ated Sludge R by BASF Aktie	Respiration Inl Engesellschaft	bition of Oxygen Consur hibition Test according t Ecology and Environme on Date: March, 1999).	o GLP, EN 4	5001 and ICC	9002. Study
Domain	Metric			Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not	Metric Score	Metric Weighting Factor	Weighted Score (Metric Score x Metric Wt. Factor)1
Test Substance		stance Identit	у	High	1	2	2
		stance Purity		High	1	1	1
	3. Study Co	ntrols		High	1	2	2
Test Design	4. Test Sub	stance Stabilit	ty	High	1	1	1
	5. Test Met	thod Suitabilit	У	High	1	1	1
Tast Canditions	6. Testing (Conditions		High	1	2	2
Test Conditions	7. Testing (Consistency		High	1	1	1
	8. System Type and Design			N/A	N/A	N/A	N/A
	9. Test Organism - Degradation			High	1	2	2
Test Organisms	10. Test Organism - Partitioning			N/A	N/A	N/A	N/A
Outcome Assessment	11. Outcon Methodolo	ne Assessmen Pgy	t	High	1	1	1
	12. Samplir	ng Methods		Medium	2	1	2
	13. Confou	nding Variabl	es	High	1	1	1
Variable Control	14. Outcon	nes Unrelated	to Exposure	High	1	1	1
Data	15. Data Re	eporting		High	1	2	2
Presentation		cal Methods 8	k Kinetic				
and Analysis	Calculation	ıs		N/A	N/A	N/A	N/A
Other	17 Verification or Plausibility of			High	3	1	3
			N/A	N/A	N/A	N/A	
				Sum of scores:	17	19	22
High	Medium	Low		Overall Score = Sum of Weighted	1 158	Overall Score:	1.2
≥1 and <1.7	≥1.7 and <2.3	≥2.3 and ≤3		Scores/Sum of Metric Weighting Factors:		(Rounded)	Uiah

Overall Quality Level:

High

Study Reference:	to OECD Gu	iideline No. 221. S	Study conducted	emna gibba L., CPC by Institute of Indu ion Date: October,	ıstrial Organi	c Chemistry,	_
Domain		Metric		Score	Metric Score	Metric Weighting Factor	Weighted Score (Metric Score x Metric Wt. Factor)
	1. Test subs	tance identity		High	1	2	2
Test substance	2. Test subs	stance source		High	1	1	1
	3.Test subs	tance purity		Medium	2	1	2
	4. Negative	controls		High	1	2	2
Test setup	5. Negative	control response		High	1	1	1
	6. Randomi	zed allocation		HIgh	1	1	1
	7. Experime Preparation	ental System/Test n	Media	High	1	2	2
	8. Consister	ncy of exposure a	dministration	High	1	1	1
Exposure	9. Exposure	Duration and Fre	equency	High	1	2	2
characterization		10. Measurement of Test Substance Concentration			1	1	1
		11. Number of exposure groups and dose spacing			1	1	1
		12. Testing at or Below Solubility Limit			1	1	1
		ganism characteris		High High	1	2	2
Tost overviews		14. Acclimatization and Pretreatment			N/A	N/A	N/A
Test organisms	15. Number	15. Number of Organisms and Replicates per group			1	1	1
	16. Adequa	16. Adequacy of Housing Conditions			1	1	1
		ie assessment me		High High	1	2	2
Outcome assessme	nt	ency of outcome a		High	1	1	1
Confounding/varial	19. Confour	nding variables in	test setup and	High	1	2	2
control	20. Outcom	es unrelated to e	xposure	N/A	N/A	N/A	N/A
	21. Statistic			High	1	1	1
Data presentation a	nd 22. Reporti	ng of data		High	1	2	2
analysis	23. Explana	tion of Unexpecte	ed Outcomes	N/A	N/A	N/A	N/A
				Sum of scores:	21	28	29
High	Medium	Low		Overall Score = Sum of Weighted	1.036	Overall Score:	1.0
≥1 and <1.7	≥1.7 and <2.3	≥2.3 and ≤3		Scores/Sum of Metric		(Rounded)	
				3.10	Overall Qu	ality Level:	HIGH

Study Reference:	BASF (2012). H-28548: Paliogen of conducted by Institute of Industrictotoxicology. (Study Completio	rial Organic Chemis	try, Branch Ps	szcyna Departm	
Domain	Metric	Score	Metric Score	Metric Weighting Factor	Weighted Score (Metric Score x Metric Wt. Factor)
	1. Test substance identity	High	1	2	2
Test substance	2. Test substance source	High	1	1	1
	3.Test substance purity	Medium	2	1	2
	4. Negative controls	High	1	2	2
Test setup	5. Negative control response	High	1	1	1
	6. Randomized allocation	Low	3	1	3
	7. Experimental System/Test Media Preparation	High	1	2	2
	8. Consistency of exposure administration	High	1	1	1
Exposure characterization	9. Exposure Duration and Frequency	High	1	2	2
Exposure characterization	10. Measurement of Test Substance Concentration	High	1	1	1
	11. Number of exposure groups and dose spacing	High	1	1	1
	12. Testing at or Below Solubility Limit	High	1	1	1
	13. Test organism characteristics	High	1	2	2
Test organisms	14. Acclimatization and Pretreatment Conditions	High	1	1	1
rest organisms	15. Number of Organisms and Replicates per group	High	1	1	1
	16. Adequacy of Housing Conditions	High	1	1	1
Outcome assessment	17. Outcome assessment methodology	High	1	2	2
Outcome assessment	18. Consistency of outcome assessment	High	1	1	1
Confounding/variable	19. Confounding variables in test setup and procedures	High	1	2	2
control	20. Health outcomes unrelated to exposure	High	1	1	1
	21. Statistical methods	N/A	N/A	N/A	N/A
Data presentation and	22. Reporting of data	High	1	2	2
analysis	23. Explanation of Unexpected Outcomes	N/A	N/A	N/A	N/A
		Sum of scores:	24	29	32
High Med ≥1 and <1.7 ≥1.7 an		Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.103	Overall Score: (Rounded)	1.1
			Overall O	uality Level:	HIGH
			Over all Q	MAIILY LEVEL.	поп

Study Reference:	of 96 ho	urs. Study condi	ucted by F	city in the fish model Zebr harma Research Toxicolo 1988), Frankfurt, German	gy and Patho	•	
Domain		Metric		Score	Metric Score	Metric Weighting Factor	Weighted Score (Metric Score x Metric Wt. Factor)
		ubstance identit	•	High	1	2	2
Test substance		ubstance source	<u> </u>	Medium	2	1	2
		bstance purity		Low	3	1	3
	4. Negati	ive controls		High	1	2	2
Test setup	5. Negati	ive control resp	onse	High	1	1	1
	6. Rando	mized allocatio	n	High	1	1	1
		mental System/	Test	High	1	2	2
		reparation		i ligii	1	2	2
		tency of exposu	ıre	High	1	1	1
	administ			111611	-	_	1
	- I	ure Duration an	d	High	1	2	2
Exposure	Frequen			6	_	_	_
characterization		surement of Tes		Medium	2	1	2
		ce Concentration			_		_
		ber of exposure	groups	High	1	1	1
	and dose		` a l la : l : 4				
	Limit	ng at or Below S	solubility	Medium	2	1	2
	13. Test	organism chara	cteristics	High	1	2	2
-		matization and ment Conditions	S	High	1	1	1
Test organisms		ber of Organismes per group	ns and	High	1	1	1
	16. Adeq Conditio	uacy of Housing	g	High	1	1	1
	17. Outc	ome assessmen	t	Medium	2	2	4
Outcome	methodo			IVICUIUIII		2	4
assessment	18. Cons	istency of outco ent	ome	High	1	1	1
Confounding/		ounding variable	es in test	High	1	2	2
variable control	20. Outc	omes unrelated	to	High	1	1	1
		stical methods		N/A	N/A	N/A	N/A
Data presentation		rting of data		Medium	2	2	4
and analysis		nation of Unex	pected	N/A	N/A	N/A	N/A
	Cuttonii			Sum of scores:	28	29	38
H igh ≥1 and <1.7 ≥	Medium 1.7 and <2.3	Low ≥2.3 and ≤3		Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1 310	Overall Score: (Rounded)	1.3
					Overall O	uality Level:	HIGH
				L		., =====	

Study Reference:	BASF. 1975. Acute oral toxicity with rats. BASF Report XXV/454. Product Safety Basel, BASF Schweiz AG, Switzerland. Report Date: January 31, 2018. [as reported in							
Study Reference.	Translated PV29 Tox Summaries, Product Safety Basel, BASF Schweiz AG, Switzerland, January 31, 2018]							
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score			
	1. Test substance identity	High	1	2	2			
Test Substance	2. Test substance source	Low	3	1	3			
	3. Test substance purity	Low	3	1	3			
	4. Negative and Vehicle controls	N/A	N/A	N/A	N/A			
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A			
	6. Randomized allocation	Low	3	1	3			
	7. Preparation and storage of test substance	Low	3	1	3			
	8. Consistency of exposure administration	Low	3	1	3			
Evnocuro	9. Reporting of doses / concentrations	High	1	2	2			
Exposure Characterization	10. Exposure frequency and duration	High	1	1	1			
	11. Number of exposure groups and dose spacing	High	1	1	1			
	12. Exposure route and method	High	1	1	1			
	13. Test animal characteristics	High	1	2	2			

Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	Medium	2	1	2
	15. Number per group	High	1	1	1
	16. Outcome assessment methodology	High	1	2	2
Outcome	17. Consistency of outcome assessment	Medium	2	1	2
Assessment	18. Sampling adequacy	High	1	1	1
	19. Blinding of assessors	Medium	2	1	2
	20. Negative Control Response	N/A	N/A	N/A	N/A
Confounding/ Variable Control	21. Confounding variables in test setup and procedures	Medium	2	2	4
variable control	22. Health outcomes unrelated to exposure	High	1	1	1
Data Presentation	23. Statistical methods	High	1	1	1
and Analysis	24. Reporting of data	Medium	2	2	4
		Sum of scores:		27	44
High Mediu ≥1.7 and		Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.630	Overall Score: (Rounded)	1.6
			Overall Q	uality Level:	High

Study Reference:		t for CAS 81-33-4, Acute c d PV29 Tox Summaries, P 2018]	-	· · · · · · · · · · · · · · · · · · ·	
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score
	1. Test substance identity	High	1	2	2
Test Substance	2. Test substance source	High	1	1	1
	3. Test substance purity	High	1	1	1
Test Setup	4. Negative and Vehicle controls	N/A	N/A	N/A	N/A
l rest setup	5. Positive controls	N/A	N/A	N/A	N/A
	6. Randomized	Low	3	1	3
	allocation 7. Preparation and				
	storage of test substance	Low	3	1	3
	8. Consistency of exposure administration	Low	3	1	3
Exposure	9. Reporting of doses / concentrations	High	1	2	2
Characterization	10. Exposure frequency and duration	High	1	1	1
	11. Number of exposure groups and dose spacing	High	1	1	1
	12. Exposure route and method	High	1	1	1
	13. Test animal characteristics	Low	3	2	6
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	Medium	2	1	2
	15. Number per group	High	1	1	1
	16. Outcome assessment methodology	High	1	2	2
Outcome	17. Consistency of outcome assessment	Medium	2	1	2
Assessment	18. Sampling adequacy	High	1	1	1

		19. Blindi assessors	_	Medium	2	1	2
		20. Negat Response	rive Control	N/A	N/A	N/A	N/A
Confounding/		21. Confo variables and proce	in test setup	Medium	2	2	4
Variable Contr			h outcomes I to exposure	High	1	1	1
			tical methods	High	1	1	1
Data Presentati and Analysis	_	24. Reporting of data		Medium	2	2	4
				Sum of scores:		27	44
Hìgh ≥1 and <1.7		fedium and <2.3	Low ≥2.3 and ≤3	Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.630	Overall Score: (Rounded)	1.6
					Overall	Quality Level:	High

Study Reference:	Rupprich, N, Weigand, rat. Hoechst, Pharma I				
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score
	Test substance identity	High	1	2	2
Test Substance	2. Test substance source	High	1	1	1
	3. Test substance purity	Low	3	1	3
	4. Negative and Vehicle controls	N/A	N/A	N/A	N/A
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A
	6. Randomized allocation	Low	3	1	3
	7. Preparation and storage of test substance	Low	3	1	3
	8. Consistency of exposure administration	Medium	2	1	2
Exposure Characterization	9. Reporting of doses / concentrations	High	1	2	2
Characterization	10. Exposure frequency and duration	High	1	1	1
	11. Number of exposure groups and dose spacing	High	1	1	1
	12. Exposure route and method	High	1	1	1
	13. Test animal characteristics	Medium	2	2	4
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	High	1	1	1
	15. Number per group	High	1	1	1
	16. Outcome assessment methodology	High	1	2	2
Outcome Assessment	17. Consistency of outcome assessment	High	1	1	1

Assessment	18. Sampling adequacy	High	1	1	1
	19. Blinding of assessors	Medium	2	1	2
	20. Negative Control Response	N/A	N/A	N/A	N/A
Confounding/ Variable Control	21. Confounding variables in test setup and procedures	Medium	2	2	4
variable control	22. Health outcomes unrelated to exposure	High	1	1	1
Data Presentation	23. Statistical methods	High	1	1	1
and Analysis	24. Reporting of data	High	1	2	2
		Sum of scores:		27	39
High Med ≥1 and <1.7 ≥1.7 ar	lium Low nd <2.3 ≥2.3 and ≤3	Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.444	Overall Score: (Rounded)	1.4
				uality Level:	HIGH

Study Reference:	Basel, BASF Schweiz AG	alation toxicity with rats. I G, Switzerland. Report Da ummaries, Product Safety	te: January 31,	2018. [as repo	rted in
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score
	1. Test substance identity	High	1	2	2
Test Substance	2. Test substance source	Low	3	1	3
	3. Test substance purity	Low	3	1	3
	4. Negative and Vehicle controls	N/A	N/A	N/A	N/A
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A
	6. Randomized allocation	Low	3	1	3
	7. Preparation and storage of test substance	Low	3	1	3
	8. Consistency of exposure administration	Low	3	1	3
Exposure Characterization	9. Reporting of doses / concentrations	Low	3	2	6
Characterization	10. Exposure frequency and duration	Medium	2	1	2
	11. Number of exposure groups and dose spacing	Medium	2	1	2
	12. Exposure route and method	High	1	1	1
	13. Test animal characteristics	Low	3	2	6
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	Medium	2	1	2
	15. Number per group	High	1	1	1
	16. Outcome assessment methodology	High	1	2	2

Outcome	17. Consistency of outcome assessment	High	1	1	1
Assessment	18. Sampling adequacy	High	1	1	1
	19. Blinding of assessors	Medium	2	1	2
	20. Negative Control Response	N/A	N/A	N/A	N/A
Confounding/ Variable Control	21. Confounding variables in test setup and procedures	Medium	2	2	4
variable control	22. Health outcomes unrelated to exposure	High	1	1	1
Data Presentation	23. Statistical methods	High	1	1	1
and Analysis	24. Reporting of data	Medium	2	2	4
		Sum of scores:		27	53
High Med ≥1 and <1.7 ≥1.7 ar		Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.963	Overall Score: (Rounded)	2.0
		1 30000	Overall Q	uality Level:	Medium

Study S. S.		ort for CAS 81-33-4, Acute inha	•	•	-
Study Reference:	reported in Translated January 31, 2018]	d PV29 Tox Summaries, Produc	t Sarety Basel, B	ASF Schweiz AG, Swit	zeriand,
Note:	-	indicated that this study was no	ot conducted ac	cording to a test guid	eline
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score
	1. Test substance identity	High	1	2	2
Test Substance	2. Test substance source	High	1	1	1
	3. Test substance purity	High	1	1	1
	4. Negative and Vehicle controls	N/A	N/A	N/A	N/A
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A
	6. Randomized allocation	Low	3	1	3
	7. Preparation and storage of test substance	Low	3	1	3
	8. Consistency of exposure administration	Low	3	1	3
Exposure Characterization	9. Reporting of doses / concentrations	Low	3	2	6
Characterization	10. Exposure frequency and duration	Medium	2	1	2
	11. Number of exposure groups and dose spacing	Low	3	1	3
	12. Exposure route and method	High	1	1	1
	13. Test animal characteristics	Low	3	2	6
Test Organisms	14. Adequacy and consistency of animal husbandry conditions	Low	2	1	2
	15. Number per group	High	1	1	1
	16. Outcome assessment methodology	High	1	2	2
Outcome	17. Consistency of outcome assessment	High	1	1	1
Assessment	18. Sampling adequacy	High	1	1	1
	19. Blinding of assessors	Medium	2	1	2
	20. Negative Control Response	N/A	N/A	N/A	N/A

Confounding/ Variable Control	variable setup a proced	lures alth outcomes	Medium High	2	2	4	
	exposu	ıre	High		1	1	
Data Presentation	23. Statistical methods		High	1	1	1	
and Analysis	24. Rep data	porting of	High	1	2	2	
		1	Sum of scores:		27	48	
•	and <2.3	Low ≥2.3 and ≤3	Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.778	Overall Score: (Rounded)	1.8	
				Overall (Quality Level:	Medium	

BASF. 1975. Summary of toxicological investigations with CAS 81-33-4, Acute intraperitoneal Study Reference: toxicity with mice. BASF Report XXV/454. [as reported in Translated PV29 Tox Summaries, Product Safety Basel, BASF Schweiz AG, Switzerland, January 31, 2018

	Product Safety Basel, BASF Schweiz AG, Switzerland, January 31, 2018]				
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score
	1. Test substance identity	High	1	2	2
Test Substance	2. Test substance source	Low	3	1	3
	3. Test substance purity	Low	3	1	3
	4. Negative and Vehicle controls	N/A	N/A	N/A	N/A
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A
	6. Randomized allocation	Low	3	1	3
	7. Preparation and storage of test substance	Low	3	1	3
Exposure	8. Consistency of exposure administration	Low	3	1	3
Characterization	9. Reporting of doses / concentrations	High	1	2	2
	10. Exposure frequency and duration	High	1	1	1
	11. Number of exposure groups and dose spacing	High	1	1	1
	12. Exposure route and method	High	1	1	1
	13. Test animal characteristics	High	1	2	2
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	Medium	2	1	2
	15. Number per group	High	1	1	1

		. 200101	Overall Qu	ality Level:	High	
≥1 and <1.7 ≥1.7	and <2.3 ≥2.3 and ≤3	Factors:		(aiiaca)		
-		of Metric Weighting		(Rounded)	1.6	
High tv	ledium Low	Weighted Scores/Sum		Overall Score:		
Ī	ı	Overall Score = Sum of				
		Sum of scores:		27	44	
and Analysis	24. Reporting of data	Medium	2	2	4	
Data Presentation	methods	High	1	1	1	
	23. Statistical	112-4	4	4	4	
	exposure	J J				
	unrelated to	High	1	1	1	
Variable Control	22. Health outcomes					
Confounding/	procedures					
	setup and	Medium	2	2	4	
	21. Confounding variables in test					
	Response	.,,,,	,	,	, .	
	20. Negative Control	N/A	N/A	N/A	N/A	
	assessors	Medium	2	1	2	
	19. Blinding of	Madium	2	1	2	
	adequacy	High	1	1	1	
Assessment	18. Sampling					
Outcome	17. Consistency of outcome assessment	Medium	2	1	2	
	methodology					
	assessment	High	1	2	2	
	16. Outcome					

Study Reference:	BASF Report 77/360.	ort for CAS 81-33-4, Ac [as reported in Translat .G, Switzerland, January	ed PV29 To	•	
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score
	1. Test substance identity	High	1	2	2
Test Substance	2. Test substance source	High	1	1	1
	3. Test substance purity	High	1	1	1
	4. Negative and Vehicle controls	N/A	N/A	N/A	N/A
Test Setup	5. Positive controls 6. Randomized allocation	N/A Low	N/A 3	N/A 1	N/A 3
	7. Preparation and storage of test substance	Low	3	1	3
	8. Consistency of exposure administration	Low	3	1	3
Exposure Characterization	9. Reporting of doses / concentrations	High	1	2	2
Characterization	10. Exposure frequency and duration	High	1	1	1
	11. Number of exposure groups and dose spacing	High	1	1	1
	12. Exposure route and method	High	1	1	1
	13. Test animal characteristics	High	1	2	2
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	Medium	2	1	2
	15. Number per group	High	1	1	1
	16. Outcome	High	1	2	2

High

1

2

2

assessment

methodology

Outcome	17. Consistency of outcome assessment	Medium	2	1	2
Assessment	18. Sampling adequacy	High	1	1	1
	19. Blinding of assessors	Medium	2	1	2
	20. Negative Control Response	N/A	N/A	N/A	N/A
Confounding/ Variable Control	21. Confounding variables in test setup and procedures	Medium	2	2	4
variable control	22. Health outcomes unrelated to exposure	High	1	1	1
Data Presentation	23. Statistical methods	High	1	1	1
and Analysis	24. Reporting of data	Medium	2	2	4
		Sum of scores:		27	40
	edium Low and <2.3 ≥2.3 and ≤3	Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.481	Overall Score: (Rounded)	1.5
		1 40013.	Overall	Quality Level:	HIGH

Study Reference:		van Ravenzwaay, B. 2013. Rep r Rats Oral Administration (Gav ASF SE, Germany.		= -	=
Note:	Study report indica	tes the study was conducted a	ccording to	OECD TG 421 an	d OPPTS
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score
	1. Test substance identity	High	1	2	2
Test Substance	2. Test substance source	High	1	1	1
	3. Test substance purity	High	1	1	1
	4. Negative and Vehicle controls	High	1	2	2
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A
	6. Randomized allocation	Medium	2	1	2
	7. Preparation and storage of test substance	High	1	1	1
	8. Consistency of exposure administration	High	1	1	1
Exposure	9. Reporting of doses / concentrations	High	1	2	2
Characterization	10. Exposure frequency and duration	High	1	1	1
	11. Number of exposure groups and dose spacing	High	1	1	1
	12. Exposure route and method	High	1	1	1
	13. Test animal characteristics	High	1	2	2
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	High	1	1	1
	15. Number per group	High	1	1	1
	16. Outcome assessment methodology	High	1	2	2
Outcome	17. Consistency of outcome assessment	High	1	1	1
Assessment	18. Sampling adequacy	High	1	1	1
	19. Blinding of assessors	N/A	N/A	N/A	N/A

	20. Negative Control Response	High	1	1	1
Confounding/	21. Confounding variables in test setup and procedures	High	1	2	2
Variable Control	22. Health outcomes unrelated to exposure	High	1	1	1
	23. Statistical methods	High	1	1	1
and Analysis	24. Reporting of data	High	1	2	2

		_
High	Medium	Low
≥1 and <1.7	≥1.7 and <2.3	≥2.3 and ≤3

Sum of scores:		29	30				
Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.034	Overall Score: (Rounded):	1				
	Overall Quality Level:						

Study Reference:	BASF. 1975. Skin irritation study. BASF Report XXV/454. Product Safety Basel, BASF Schweiz AG, Switzerland. Report Date: January 31, 2018. [as reported in Translated PV29 Tox Summaries, Product Safety Basel, BASF Schweiz AG, Switzerland, January 31, 2018]						
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score		
	1. Test substance identity	High	1	2	2		
Test Substance	2. Test substance source	Low	3	1	3		
	3. Test substance purity	Low	3	1	3		
	4. Negative and Vehicle controls	Medium	2	2	4		
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A		
	6. Randomized allocation	Low	3	1	3		
	7. Preparation and storage of test substance	Low	3	1	3		
	8. Consistency of exposure administration	Low	3	1	3		
Exposure Characterization	9. Reporting of doses / concentrations	Low	3	2	6		
Characterization	10. Exposure frequency and duration	High	1	1	1		
	11. Number of exposure groups and dose spacing	High	1	1	1		
	12. Exposure route and method	High	1	1	1		
	13. Test animal characteristics	Medium	2	2	4		
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	Low	2	1	2		
	15. Number per group	Low	3	1	3		
	16. Outcome assessment methodology	High	1	2	2		
Outcome	17. Consistency of outcome assessment	High	1	1	1		
Assessment	18. Sampling adequacy	High	1	1	1		
	19. Blinding of assessors	Low	3	1	3		

	20. Neg Respons	ative Control se	Medium	2	1	2	
Confounding/ Variable Control			Medium	2	2	4	
variable Control	22. Hea unrelate exposur		High	1	1	1	
Data Presentation	23. Statistical methods		High	1	1	1	
and Analysis	24. Reporting of data		Low	3	2	6	
			Sum of scores:		30	60	
	Medium	Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	2.000	Overall Score: (Rounded)	2.0		
				Overall C	Quality Level:	Medium	

Study Reference:	BASF. 1978. Study report for CAS 81-33-4, Skin irritation study. BASF Report 77/360. [as reported in Translated PV29 Tox Summaries, Product Safety Basel, BASF Schweiz AG, Switzerland, January 31, 2018]					
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score	
Test Substance	1. Test substance identity	High	1	2	2	
	2. Test substance source	High	1	1	1	
	3. Test substance purity	High	1	1	1	
	4. Negative and Vehicle controls	Medium	2	2	4	
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A	
	6. Randomized allocation	Low	3	1	3	
	7. Preparation and storage of test substance	Low	3	1	3	
	8. Consistency of exposure administration	Low	3	1	3	
Exposure Characterization	9. Reporting of doses / concentrations	Low	3	2	6	
Characterization	10. Exposure frequency and duration	High	1	1	1	
	11. Number of exposure groups and dose spacing	High	1	1	1	
	12. Exposure route and method	High	1	1	1	
	13. Test animal characteristics	High	1	2	2	
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	Medium	2	1	2	
	15. Number per group	Low	3	1	3	
	16. Outcome assessment methodology	High	1	2	2	
Outcome	17. Consistency of outcome assessment	High	1	1	1	
Assessment	18. Sampling adequacy	High	1	1	1	
	19. Blinding of assessors	Low	3	1	3	

	20. Negative Control Response	Medium	2	1	2
Confounding/	21. Confounding variables in test setup and procedures	Medium	2	2	4
Variable Control	22. Health outcomes unrelated to exposure	High	1	1	1
Data Presentation	23. Statistical methods	High	1	1	1
and Analysis	24. Reporting of data	Low	3	2	6
		Sum of scores:		30	54
High		Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.800	Overall Score: (Rounded)	1.8
			Overall Qu	iality Level:	Medium

Study Reference:	BASF. 1975. Eye Irritation Study. BASF Report XXV/454. Product Safety Basel, BASF Schweiz AG, Switzerland. Report Date: January 31, 2018. [as reported in Translated PV29 Tox Summaries, Product Safety Basel, BASF Schweiz AG, Switzerland, January 31, 2018]						
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score		
	1. Test substance identity	High	1	2	2		
Test Substance	2. Test substance source	Low	3	1	3		
	3. Test substance purity	Low	3	1	3		
	4. Negative and Vehicle controls	High	1	2	2		
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A		
	6. Randomized allocation	N/A	N/A	N/A	N/A		
	7. Preparation and storage of test substance	Medium	2	1	2		
	8. Consistency of exposure administration	High	1	1	1		
Exposure	9. Reporting of doses / concentrations	High	1	2	2		
Characterization	10. Exposure frequency and duration	High	1	1	1		
	11. Number of exposure groups and dose spacing	Medium	2	1	2		
	12. Exposure route and method	High	1	1	1		
	13. Test animal characteristics	Low	3	2	6		
Test Organisms	14. Adequacy and consistency of animal husbandry conditions	Medium	2	1	2		
	15. Number per group	Low	3	1	3		
	16. Outcome assessment methodology	High	1	2	2		
Outcome	17. Consistency of outcome assessment	High	1	1	1		
Assessment	18. Sampling adequacy	High	1	1	1		
	19. Blinding of assessors	NA	NA	N/A	NA		
	20. Negative Control Response	High	1	1	1		
Confounding/ Variable Control	21. Confounding variables in test setup and procedures	High	1	2	2		
variable Control	22. Health outcomes unrelated to exposure	High	1	1	1		
Data Presentation and Analysis	23. Statistical methods	High	1	1	1		
	24. Reporting of data	High	1	2	2		

		ı	Sum of scores:		28	41
High	Medium	LOW	Overall Score = Sum of Weighted	4 464	Overall Score:	4.5
≥1 and <1.7	≥1.7 and <2.3	≥2.3 and ≤3	Scores/Sum of Metric Weighting	1.464	(Rounded)	1.5
			Factors:			
				Overall Quality Level: HIG		

Rupprich, N., Weigand, W. 1984. Perylimid Testing the acute dermal irritant effects/caustic effects on the rabbit eye. Hoechst Pharma Research Toxicology, Germany. Report No. 84.0228. For Farben Nord, Werk Höchst.

	o nozzo. For fargen nora) werkinosist.					
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score	
	1. Test substance identity	High	1	2	2	
Test Substance	2. Test substance source	Medium	2	1	2	
	3. Test substance purity	Medium	2	1	2	
	4. Negative and Vehicle controls	N/A	N/A	N/A	N/A	
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A	
	6. Randomized allocation	N/A	N/A	N/A	N/A	
	7. Preparation and storage of test substance	High	1	1	1	
	8. Consistency of exposure administration	High	1	1	1	
Exposure Characterization	9. Reporting of doses / concentrations	High	1	2	2	
Characterization	10. Exposure frequency and duration	High	1	1	1	
	11. Number of exposure groups and dose spacing	High	1	1	1	
	12. Exposure route and method	High	1	1	1	
	13. Test animal characteristics	Medium	2	2	4	
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	High	1	1	1	
	15. Number per group	High	1	1	1	
	16. Outcome assessment methodology	High	1	2	2	

Outcome Assessment	17. Consistency of outcome assessment	High	1	1	1
	18. Sampling adequacy	High	1	1	1
	19. Blinding of assessors	N/A	N/A	N/A	N/A
	20. Negative Control Response	N/A	N/A	N/A	N/A
Confounding/ Variable Control	21. Confounding variables in test setup and procedures	High	1	2	2
variable Control	22. Health outcomes unrelated to exposure	High	1	1	1
Data Presentation	23. Statistical methods	High	1	1	1
and Analysis	24. Reporting of data	High	1	2	2
		Sum of scores:		25	29
ū	Low nd <2.3 ≥2.3 and ≤3	Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.160	Overall Score: (Rounded)	1.2
			Overall Qu	iality Level:	HIGH

Study Reference:	BASF. 1978. Eye Irritation Study. BASF Report 77/360. Product Safety Basel, BASF Schweiz AG, Switzerland. Report Date: January 31, 2018. [as reported in Translated PV29 Tox Summaries, Product Safety Basel, BASF Schweiz AG, Switzerland, January 31, 2018]						
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score		
	1. Test substance identity	High	1	2	2		
Test Substance	2. Test substance source	High	1	1	1		
	3. Test substance purity	High	1	1	1		
	4. Negative and Vehicle controls	High	1	2	2		
Test Setup	5. Positive controls	N/A	N/A	N/A	N/A		
	6. Randomized allocation	N/A	N/A	N/A	N/A		
	7. Preparation and storage of test substance	Medium	2	1	2		
	8. Consistency of exposure administration	High	1	1	1		
Exposure Characterization	9. Reporting of doses / concentrations	High	1	2	2		
Cital acterization	10. Exposure frequency and duration	High	1	1	1		
	11. Number of exposure groups and dose spacing	High	1	1	1		
	12. Exposure route and method	High	1	1	1		
	13. Test animal characteristics	Low	3	2	6		
Test Organisms	14. Adequacy and consistency of animal husbandry conditions	Medium	2	1	2		
	15. Number per group	High	1	1	1		
	16. Outcome assessment methodology	High	1	2	2		
Outcome Assessment	17. Consistency of outcome assessment	High	1	1	1		

	18. Sampling adequacy	High	1	1	1
	19. Blinding of assessors	N/A	N/A	N/A	N/A
	20. Negative Control Response	High	1	1	1
Confounding/ Variable Control	21. Confounding variables in test setup and procedures	High	1	2	2
variable Control	22. Health outcomes unrelated to exposure	High	1	1	1
Data Presentation	23. Statistical methods	High	1	1	1
and Analysis	24. Reporting of data	High	1	2	2
·		Sum of scores:		28	34
	Ikm Low nd < 2.3 ≥ 2.3 and ≤ 3	Overall Score = Sum of Weighted Scores/Sum of Metric Weighting Factors:	1.214	Overall Score: (Rounded)	1.2
	- -		Overall	Quality Level:	HIGH

Study Reference:	Rupprich, N, Weigand, W. 1984. Perylimid Testing the acute irritant effects/caustic effects on the rabbit eye. Hoechst Pharma Research Toxicology, Germany. Report No. 84.0229. For Farben Nord, Werk Höchst.								
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score				
	1. Test substance identity	High	1	2	2				
Test Substance	2. Test substance source	Medium	2	1	2				
	3. Test substance purity	Medium	2	1	2				
	4. Negative and Vehicle controls	High	1	2	2				
Test Setup	5. Positive controls	N/A	N/A	1	N/A				
	6. Randomized allocation	N/A	N/A	1	N/A				
	7. Preparation and storage of test substance	Medium	2	1	2				
	8. Consistency of exposure administration	High	1	1	1				
Exposure Characterization	9. Reporting of doses / concentrations	High	1	2	2				
Characterization	10. Exposure frequency and duration	High	1	1	1				
	11. Number of exposure groups and dose spacing	High	1	1	1				
	12. Exposure route and method	High	1	1	1				
	13. Test animal characteristics	Medium	2	2	4				
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	High	1	1	1				
	15. Number per group	High	1	1	1				
	16. Outcome assessment methodology	High	1	2	2				
Outcome	17. Consistency of outcome assessment	High	1	1	1				
Assessment	18. Sampling adequacy	High	1	1	1				
	19. Blinding of assessors	N/A	N/A	N/A	N/A				

				wiethic weighting factors.	Overall Quality Level:		HIGH
≥1 and <1.7	≥1.7 a	nd <2.3	≥2.3 and ≤3	Weighted Scores/Sum of Metric Weighting Factors:	1.100	Score: (Rounded)	1.1
High	Medium		Low	Overall Score = Sum of		Overall	
1	l		l . I	Sum of scores:		30	33
and Analysis		24. Reporting of data		High	1	2	2
Data Presentation		23. Statistical methods		High	1	1	1
Variable Control		22. Health outcomes unrelated to exposure		High	1	1	1
Confounding/		variabl	nfounding es in test setup ocedures	High	1	2 2	
		20. Neg Respor	gative Control nse	High	1	1	1

Study Reference:		rylimid F: Local Lymph Node Ass 4. For BASF Aktiengesellschaft, (oxicology Labo	ratory, UK.
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score
	1. Test substance identity	High	1	2	2
Test Substance	2. Test substance source	High	1	1	1
	3. Test substance purity	High	1	1	1
	4. Negative and Vehicle controls	High	1	2	2
Test Setup	5. Positive controls	High	1	1	1
	6. Randomized allocation	Low	3	1	3
	7. Preparation and storage of test substance	Medium	2	1	2
	8. Consistency of exposure administration	High	1	1	1
Exposure Characterization	9. Reporting of doses / concentrations	High	1	2	2
	10. Exposure frequency and duration	High	1	1	1
	11. Number of exposure groups and dose spacing	High	1	1	1
	12. Exposure route and method	I High		1	1
	13. Test animal characteristics	Medium	2	2	4
Test Organisms	14. Adequacy and onsistency of animal husbandry conditions	High	1	1	1
	15. Number per group	High	1	1	1
Outcome	16. Outcome assessment methodology	High	1	2	2
	17. Consistency of outcome assessment	High	1	1	1
Assessment	18. Sampling adequacy	High	1	1	1
	19. Blinding of assessors	N/A	N/A	N/A	N/A
	20. Negative Control Response	High	1	1	1

variables confounding/		nd	High	1	2	2	
Variable Co	ntrol	22. Health outcomes unrelated to exposure		High	1	1	1
23. Si		23. Statistical methods		High	1	1	1
and Analysis		24. Reporting of data		High	1	2	2
			Sum of scores:		30	35	
High		Aedium Low 7 and <2.3 ≥2.3 and ≤3		Overall Score = Sum of Weighted Scores/Sum of	1.167	Overall Score:	1.2
≥1 and <1.7	21./ 6	111u <2.3	22.3 dila 23	Metric Weighting Factors:		(Rounded) uality Level:	HIGH

Study Reference:	Jung, R., Weigand, W. 1983. Perylimid Study of the Mutagenic Potential in Strains of Salmonella Typhimurium (Ames Test) and Escherichia coli. Hoechst Aktiengesellschaft, Germany. Report No. 83.0695. For Hoechst, Farbenforschung, Germany.								
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score				
	1. Test substance identity	High	1	2	2				
Test Substance	2. Test substance source	Medium	2	1	2				
	3. Test substance purity	High	1	1	1				
	4. Negative controls	High	1	2	2				
Test Setup	5. Positive controls	High	1	2	2				
	6. Assay procedures	High	1	1	1				
	7. Standards for test	N/A	N/A	N/A	N/A				
	8. Preparation and storage of test substance	High	1	1	1				
	9. Consistency of exposure administration	High	1	1	1				
Exposure Characterization	10. Reporting of concentrations	High	1	2	2				
Characterization	11. Exposure duration	High	1	2	2				
	12. Number of exposure groups and dose spacing	High	1	1	1				
	13. Metabolic activation	High	1	1	1				
	14. Test model	High	1	2	2				
Test Model	15. Number per group	High	1	1	1				
	16. Outcome assessment methodology	High	1	2	2				
Outcome Assessment	17. Consistency of outcome assessment	High	1	1	1				
	18. Sampling adequacy	High	1	2	2				
	19. Blinding of assessors	N/A	N/A	N/A	N/A				

			nfounding				
			les in test	High	1	2	2
			and	6	_		
Confoundi	ing/	proced	dures				
Variable Co	_	21. Co	nfounding				
Variable Co		variab	les in				
		Outco	mes	High	1	1	1
		unrelated to					
		expos	ure				
			ta analysis	High	1	1	1
		23. Data interpretation		High	1	2	2
Data Present	tation			High	N/A	N/A	2
and Analy		24. Cytotoxicity		N/A			N/A
and Analy	7313	data 25. Reporting of		N/A	N/A		N/A
				⊔iah	1	2	2
				High	1	2	2
			Sum of scores:		33	34	
ا سا			Low	Overall Score = Sum of		Overall	
	High Me			Weighted Scores/Sum of	1.030	Score:	1.0
≥1 and <1.7	≥1.7 a	7 and <2.3 ≥2.3 and ≤3		Metric Weighting Factors:		(Rounded)	
					Overall Quality Level:		HIGH

Study Reference:	Wollny, H. 2012. Gene Mutation Assay in Chinese Hamster V79 Cells In Vitro (V79/HPRT) With Paliogen Violet 5011. Harlan Cytotest Cell Research GmbH, Germany. Report No. 1443105. For BASF SE, Germany.							
Domain	Metric	Qualitative Determination [i.e., High, Medium, Low, Unacceptable, or Not rated]	Metric Score	Metric Weighting Factor	Weighted Score			
	1. Test substance identity	High	1	2	2			
Test Substance	2. Test substance source	High	1	1	1			
	3. Test substance purity	High	1	1	1			
	4. Negative controls	High	1	2	2			
Took Cohum	5. Positive controls	High	1	2	2			
Test Setup	6. Assay procedures	High	1	1	1			
	7. Standards for test	High	1	1	1			
	8. Preparation and storage of test substance	High	1	1	1			
	9. Consistency of exposure administration	High	1	1	1			
Exposure Characterization	10. Reporting of concentrations	High	1	2	2			
	11. Exposure duration	High	1	2	2			
	12. Number of exposure groups and dose spacing	High	1	1	1			
	13. Metabolic activation	High	1	1	1			
Test Model	14. Test model	High	1	2	2			
rest iviodei	15. Number per group	High	1	1	1			
	16. Outcome assessment methodology	High	1	2	2			
Outcome Assessment	17. Consistency of outcome assessment	High	1	1	1			
	18. Sampling adequacy	High	1	2	2			
	19. Blinding of	N1 / A	NI/A	N1 / A	NI/A			
	assessors	N/A	N/A	N/A	N/A			
Confounding/	20. Confounding variables in test setup and procedures	High	1	2	2			
Variable Control	21. Confounding variables in Outcomes unrelated to exposure	High	1	1	1			
	22. Data analysis	High	1	1	1			

Data Presentation and Analysis		23. Data	interpretation	High	1	2	2
allu Allalysis		24. Cytotoxicity data		High	1	1	1
25. Reporting of data				High	1	2	2
				Sum of scores:		35	35
High	Me	dium	Low	Overall Score = Sum of Weighted Scores/Sum	1 000	Overall Score:	1.0
≥1 and <1.7 ≥1.7 and <2.3 ≥2.3 and ≤3				of Metric Weighting Factors:	1.000	(Rounded)	1.0
					Overall Q	uality Level:	HIGH