

**ANNEX 8**

**BIODEGRADATION: COMPARISON OF TEST RESULTS AND PREDICTIONS**

<b>Chem. No.</b>	<b>MPD data [% Biodegradation]</b>	<b>SAR data</b>	<b>Result</b>
4	nd (reacts)	reacts	-
6	nd	weeks	-
16	nd (BOD/COD = 0.75)	days	-
17	nd (BOD/COD = 0.23)	months or longer (persistent)	-
21	0%	months	agree
23	35% (adsorption)	months	-
24	0%	weeks to months	agree
26	7%	months or longer (persistent)	agree
37	34%	weeks	agree
44	6%	months or longer (persistent)	agree
47	0%	weeks	agree
49	40%	weeks to months	agree
50	2%	months or longer (persistent)	agree

<b>Chem. No.</b>	<b>MPD data [% Biodegradation]</b>	<b>SAR data</b>	<b>Result</b>
53	nd	months or longer (persistent)	
54	1%	weeks to months	agree
61	1.5%	months	agree
68	10%	months or longer (persistent)	agree
69	-10%	months or longer (persistent)	agree
70	0%	months or longer (persistent)	agree
76	12%	months or more	agree
78	nd (insoluble) (BOD/COD = 0.01)	months or longer (persistent)	
79	nd (insoluble) DOB/COD = 0.03	nd (insoluble)	
87	100%	days to weeks	agree
96	10%	months or longer (persistent)	agree
99	82%	nd	
101	10%	months or longer (persistent)	agree

Chem. No.	MPD data [% Biodegradation]	SAR data	Result
102	4%	months or longer (persistent)	agree
106	5%	months or longer (persistent)	agree
107	nd (flammable in air, decomp with water)	reaction with O <sub>2</sub> and H <sub>2</sub> O	-
108	3%	months or longer (persistent)	agree
110	73%	days to weeks	agree
113	nd (BOD/COD = 0.23)	weeks to months	-
118	5%	weeks to months	agree
124	0%	nd (probably slow)	-
128	4%	months	agree
133	10%	months or longer (persistent)	agree
144	0%	weeks to months	agree
148	0%	months or longer (persistent)	agree
151	4%	weeks	agree

<b>Chem. No.</b>	<b>MPD data [% Biodegradation]</b>	<b>SAR data</b>	<b>Result</b>
155	13%	weeks to months	agree
156	81%	weeks	disagree
164	0%	months or longer (persistent)	agree
170	27%	weeks	agree
173	21%	nd	
176	6%	months or longer (persistent)	agree
182	11%	weeks	agree
186	0%	months or longer (persistent)	agree
192	> 80%	days to weeks	agree
194	nd	months	
196	0%	months	agree
197	0%	months or longer (persistent)	agree
200	0%	weeks to months	agree

Chem. No.	MPD data [% Biodegradation]	SAR data	Result
204	0%	months or longer (persistent)	agree
214	20%	weeks	agree
216	26%	nd	-
217	12%	months or longer (persistent)	agree
218	1%	weeks to months	agree
219	0%	weeks	agree
222	0%	months	agree
224	10%	months or longer (persistent)	agree
235	7%	weeks to months	agree
237	0%	nd	-
239	21%	months or longer (persistent)	agree
240	20%	months or longer (persistent)	agree
241	5%	weeks	agree

<b>Chem. No.</b>	<b>MPD data [% Biodegradation]</b>	<b>SAR data</b>	<b>Result</b>
242	0%	weeks	agree
253	4%	months	agree
256	46%	days to weeks	disagree
263	0%	months or longer (persistent)	agree
265	81%	nd	-
267	nd (insoluble)	months or longer (persistent)	-
268	70%	months or longer (persistent)	disagree
269	2%	months	agree
270	16%	weeks to months	agree
271	33%	weeks to months	agree
275	0%	months or longer (persistent)	agree
278	80%	days to weeks	agree
281	1%	nd	-

<b>Chem. No.</b>	<b>MPD data [% Biodegradation]</b>	<b>SAR data</b>	<b>Result</b>
283/ 429	nd	months or longer (persistent)	
286	3%	months	agree
287	2%	months or longer (persistent)	agree
289	3%	months or longer (persistent)	agree
291	6%	months or longer (persistent)	agree
292	0%	months or longer (persistent)	agree
300	2%	months or longer (persistent)	agree
307	0%	months	agree
309	6%	months or longer (persistent)	agree
312	13%	weeks	agree
318	35%	months or longer (persistent)	agree
320	nd	months or longer (persistent)	
321	34%	weeks to months	agree

<b>Chem. No.</b>	<b>MPD Data [% Biodegradation]</b>	<b>SAR Biodegradation Data</b>	<b>Result</b>
330	21%	weeks to months	agree
335	14%	months or longer (persistent)	agree
336	10%	weeks	agree
337	0%	weeks	agree
340	5%	weeks	agree
341	30%	weeks to months	agree
342	62%	months	disagree
344	0%	weeks	agree
348	2.5%	months	agree
349	nd	months or longer (persistent)	
354	5%	weeks	agree
355	48%	months	agree
360	8%	weeks	agree

Chem. No.	MPD data [% Biodegradation]	SAR data	Result
361	0%	months or longer (persistent)	agree
362	8%	weeks to months	agree
364	0%	months or longer (persistent)	agree
366	0%	months or longer (persistent)	agree
368	7%	nd	-
369	19%	weeks to months	agree
370	nd (reacts with water)	months or longer (persistent)	-
373	20%	weeks	agree
376	nd (insoluble)	weeks to months	-
379	3%	nd	-
381	10%	months or longer (persistent)	agree
383	11%	months or longer (persistent)	agree
386	0%	months	agree

hem. No.	MPD data [% Biodegradation]	SAR data	Result
393	30%	months or longer (persistent)	agree
394	0%	months	agree
396	10%	nd	
398	100%	nd	
401	45%	weeks to months	agree
406	4%	months or longer (persistent)	agree
411	20%	months or longer (persistent)	agree
413	74%	weeks to months	disagree
414	27%	weeks to months	agree
415	8%	months or longer (persistent)	agree
416	4%	months or longer (persistent)	agree
417	15%	months or longer (persistent)	agree
420	3%	weeks	agree

<b>Chem. No.</b>	<b>MPD data [% Biodegradation]</b>	<b>SAR data</b>	<b>Result</b>
421	18%	weeks	agree
425	30%	days to weeks	disagree
431	21%	weeks	agree
436	0%	days to weeks	disagree
437	10.5%	months	agree
439	0%	months or longer (persistent)	agree
441	<3%	weeks to months	agree
442	0%	weeks	agree
443	20%	weeks	agree
444	33%	weeks	agree
445	nd (polymer)	months or longer (persistent)	-
446	10%	months	agree
451	20%	days to weeks	disagree
472	100%	days to weeks	agree