

BOILING POINT: COMPARISON OF TEST RESULTS AND PREDICTIONS

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
4	(decomposes)	nd	
6	nd	> 500	
16	> 225 (decomposes)	> 500	disagree
17	5 (decomposes)	nd	
21	175 (decomposes)	> 500	disagree
23	nd	> 500	
24	nd	~400	
26	nd	500	
37	295 (100 kPa)	nd	
44	213 - 217	nd	
47	> 210 (250Pa)	nd	
49	145 (decomposes)	nd	
50	300 (decomposes)	(decomposes)	

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
53	> 260	nd	
54	349	210 (Beilstein)	
61	nd	nd	
68	nd	nd	
69	nd	nd	
70	> 220 (2Pa)	nd	
76	> 400	nd	
78	nd	nd	
79	nd	nd	
87	nd	350	
96	nd	nd	
99	258.5	285	agree
101	nd	nd	

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
102	217 (11Pa)	nd	
106	> 250	345	disagree
107	122 (0.07kPa)	nd	
108	> 300	200 - 300	agree
110	215	378	disagree
113	238	570	disagree
118	109 (11Pa) (> 275)	> 300	agree
124	214 (decomposes)	nd	
128	nd	> 350	
133	nd	nd	
144	322 (decomposes)	nd	
148	nd	nd	
151	255 (decomposes)	420	disagree

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
155	174 (11Pa)	-	-
156	129 (33.3Pa)	-	-
164	210 - 230 (decomposes)	nd	-
170	> 198 (decomposes)	nd	-
173	nd	nd	-
176	nd	nd	-
182	> 360 (decomposes)	nd	-
186	nd	nd	-
192	216	190	agree
194	nd	nd	-
196	nd	nd	-
197	nd	nd	-
200	190 (93Pa)	374 (Beilstein)	-

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
204	230 (40Pa) (decomposes)	> 400	agree
214	160 - 170 (decomposes)	nd	-
216	nd	nd	-
217	nd	nd	-
218	105 - 245	175 (10 torr) (> 350)	disagree
219	250	276 (Beilstein)	-
222	268	263	agree
224	nd	nd	-
235	335	nd	-
237	177	180	agree
239	nd	nd	-
240	nd	nd	-
241	> 204 (decomposes)	nd	-

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
242	212-214	nd	
253	> 178 (11Pa)	≥416 (178, 0.083 torr)	agree
256	nd	nd	
263	nd	nd	
265	nd	nd	
267	nd	nd	
268	197	> 400	disagree
269	> 300	nd	
270	> 400	> 400 (Beilstein)	
271	160 (decomposes)	≥500	disagree
275	nd	nd	
278	> 300	351 (153-154, 0.1 torr) (Lit. value)	
281	> 300	318 - 320 (Beilstein)	

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
283/ 429	213	210 - 215 (Beilstein)	
286	150 (decomposes)	nd	
287	210 (decomposes)	nd	
289	nd	nd	
291	nd	nd	
292	> 248 (decomposes)	nd	
300	300	336	agree
307	266	nd	
309	> 170 (decomposes)	nd	
312	> 171 (decomposes)	nd	
318	nd	nd	
320	nd	(decomposes)	
321	325	nd	

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
330	> 150	nd	
335	nd	nd	
336	nd	nd	
337	203	≥330	disagree
340	nd	(decomposes)	
341	nd	> 463	
342	241	247	agree
344	nd	nd	
348	nd	nd	
349	nd	nd	
354	nd	nd	
355	nd	nd	
360	360 (extrapol.)	> 400	agree

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
361	175 - 179 (13.3 Pa)	nd	
362	254 (decomposes)	> 250 (1 torr)	agree
364	nd	nd	
366	> 400	nd	
368	188	190	agree
369	nd	nd	
370	165	155 (Beilstein)	
373	193 - 204	188 (Beilstein)	
376	215 - 220 (start to decompose at 191)	> 500	disagree
379	142 - 143	143.5 - 144 (Beilstein)	
381	nd	nd	
383	nd	nd	
386	nd	(decomposes)	

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
393	nd	(decomposes)	-
394	nd	(decomposes)	-
396	nd	nd	-
398	246	nd	-
401	nd	nd	-
406	> 300	nd	-
411	nd	nd	-
413	375	400	agree
414	(decomposes)	nd	-
415	> 224 (decomposes)	> 300	disagree
416	> 187 (decomposes)	(decomposes)	-
417	nd	nd	-
420	nd	300 - 370	-

Chem. No.	MPD Boiling point [°C]	SAR Boiling point [°C]	Result
421	247 (decomposes)	nd	-
425	222 - 226	216	agree
431	188 - 190 (133 Pa)	(decomposes)	-
436	268	(decomposes)	-
437	182	> 300	disagree
439	nd	nd	-
441	nd	nd	-
442	205 (decomposes)	nd	-
443	134	82.5 - 83 (Beilstein)	-
444	335	245	disagree
445	nd	nd	-
446	nd	nd	-
451	93 - 193 (decomposes)	274	disagree
472	> 300 (decomposes)	nd	-