

Tests results by PSB Corporation Pte. Ltd. on Aquatic Biodegradability measured under ISO 10707 (closed bottle test)

Results

Sample Reference	Percentage of Biodegradability				
	0 day	7 day	14 day	21 day	28 day
SPC-201 Liquid	0	67	76	82	73
SPC-201 Gel	0	74	62	65	78
SPC-202 Liquid	0	73	80	85	86
SPC-202 Gel	0	57	69	73	82
SPC-203 Liquid	0	55	66	64	57
SPC-203 Gel	0	71	74	89	64
SPC-501 Gel	0	48	57	58	59
SPC-601 Liquid	0	<10	31	29	37
SPC-671 Liquid	0	<10	<10	<10	<10
SPC-801 Liquid	0	54	46	55	63
SPC-801 Gel	0	53	36	50	70
SPC-901 Gel	0	85	93	86	93
SPC-909 Gel	0	89	90	90	93
SPC-F1 Liquid	0	87	90	89	89
SPC-F2 Gel	0	39	50	51	62

4.8 Aquatic Biodegradability

Biodegradability shall be measured by one of the following methods: ISO 9439 carbon dioxide (CO₂) evolution test, ISO 10708 (two phase closed-bottle test), ISO 10707 (closed bottle test), or ISO 7827 (dissolved organic carbon removal). Specifically, within a 28-day test, the ingredient shall meet one of the following criteria within 10 days of the time when biodegradation first reaches 10%.

Removal of dissolved organic carbon (DOC)	>70%
Biological oxygen demand (BOD)	>60%
% of BOD of theoretical oxygen demand (ThOD)	>60%
% CO ₂ evolution of theoretical	>60%

NB. Samples marked in blue do not pass the requirements set in the above specification.