



**THE DOW CHEMICAL COMPANY
SALES SPECIFICATION**

Date Printed: 2022-06-03

Effective Date: 2020-03-13

Supersedes Date: 2019-12-20

Name: SUNSPHERES™ PGL Polymer

Specification Number: 000000183188

Previous Specified Material: 00167847

Government and Industry Standards

Current NSF/IPEC/ANSI 363 – Excipient GMP Standard

Final Testing Requirements

Test and Test Condition	Limit	Unit	Method	Note
Absence of C. Albicans in 1g	Pass		DOWB 508040	
Absence of Gram Neg Bact in 1g	Pass		DOWB 508040	
Absence of S. Aureus in 1g	Pass		DOWB 508040	
Aerobic Plate Count (<100 CFU/g)	Pass		DOWB 508040	
Appearance, Opaque, White to Off-White Liquid, Free of Visible Impurities	Pass		DOWB 508019	
FTIR Identification	Pass		CTG 3220	
Gel Part on 150 Micron	0 — 50	ppm	CTG 3240	
Gel Part on 45 Micron	0 — 100	ppm	CTG 3240	
pH	6.50 — 7.50		DOWM 102574	
Residual Styrene	Pass		CTG 1347	
Residual Total Acrylates	Pass		CTG 1347	

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Test and Test Condition	Limit	Unit	Method	Note
Solids Content, Forced Draft Oven, 150°C, 0.6 g, 30 min	24.50 — 26.50	%	DOWM 102570	
Viscosity Brookfield (mPa.s), LV, Spindle #1, 60 rpm, 25°C	0 — 100	cP	DOWM 102715	

READ PRECAUTIONARY INFORMATION AND MATERIAL SAFETY SHEETS. THIS PRODUCT IS SHIPPED IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING CLASSIFICATION, PACKAGING, SHIPPING AND LABELING.