



THE DOW CHEMICAL COMPANY
SALES SPECIFICATION

Date Printed: 2023-09-01

Effective Date: 2020-05-06

Supersedes Date: 2016-07-13

Name: ACULYN™ 22 Polymer

Specification Number: 000000183168

Previous Specified Material: 00167847

Government and Industry Standards

Current EFfCI Good Manufacturing Practices for Cosmetic Ingredients

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	
Haze	0.000 — 0.070		DOWB 508022	
pH	2.20 — 3.20		DOWM 102574	
Residual Ethyl Acrylate	0.0 — 5.0	ppm	CTG 1347	

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Test and Test Condition	Limit	Unit	Method	Note
Solids Content, Forced Draft Oven, 150°C, 0.6 g, 20 min	29.50 — 30.50	%	DOWM 102570	
Viscosity Solubilized (mPa.s), RV, Spindle #6, 20 rpm, 25°C	9000 — 17000	cP	DOWB 508027	

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