



THE DOW CHEMICAL COMPANY  
SALES SPECIFICATION

Date Printed: 2023-09-01

Effective Date: 2022-01-28

Supersedes Date: 2020-08-28

Name: ACULYN™ 28 Polymer

Specification Number: 000000183194

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	
Acid Number	40 — 47	mg/g	DOWB 508031	
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	3.50 — 4.20		DOWM 102574	

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Solids Content, Forced Draft Oven, 150°C, 0.6 g, 20 min	19.00 — 21.00	%	DOWM 102570	
Turbidity Solubilized	0 — 25	NTU	DOWB 508052	
Viscosity Brookfield (mPa.s), LV, Spindle #1, 60 rpm, 25°C	0 — 20	cP	DOWM 102715	
Viscosity Solubilized (mPa.s), RV, Spindle T- bar C, 10 rpm, 25°C	25000 — 32000	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.