

CERTIFICATE OF ANALYSIS

Sonneborn LLC
Petrolia Plant
100 Sonneborn Lane
Petrolia PA 16050-0336

QC MANAGER
TILLEY CHEMICAL
501 CHESAPEAKE PARK PLAZA
BALTIMORE MD 21220
Fax: 410-574-4083

Product Name: WHITE PROTOPET® 1S Petrolatum
Batch Number: 714770
Ship Date (mm/dd/yyyy): 12/28/2022
Customer order Number: 123320
Order/item Number: 831227/30
Delivery/item Number: 80860373/20
Customer code: WPR383-SONN
Quantity: 60 DRM
Container Id:
Manuf.date (mm/dd/yyyy): 12/20/2022
Exp. date (mm/dd/yyyy): 12/20/2025

Test	Method	Unit	Specification	Test Result
SPEC GRAV @ 60C/25C	LATM-128		0.815 - 0.880	0.838
LOVIBOND COLOR, 2IN, YELLOW	IP17		1.5 - 2.0	1.5
MELTING POINT,C	ASTM D127	°C	54.4 - 60.0	55.4
ODOR RATING	LATM-093		1.0 Max	0.5
CONSISTENCY	ASTM D937	dmm	180 - 210	194
SULFUR COMPOUNDS	LATM-138		PASS	PASS
RESIDUE ON IGNITION	USP curr. rev.	%	0.05 Max	0.00
ACIDITY	USP curr. rev.		PASS	PASS
ALKALINITY	USP curr. rev.		PASS	PASS
COLOR	USP curr. rev.		PASS	PASS
FIXED OIL /FATS/ROS.	USP curr. rev.		PASS	PASS
ORGANIC ACIDS	USP curr. rev.		PASS	PASS
VISC, KIN. @ 212F	ASTM D445	cSt	10.20 - 15.50	10.99
RESID SOLV, REPORTABLE QTY	USP 467		NONE	NONE
UV ABSORBANCE	21 CFR 172.880		PASS	PASS
Date of Manufacture				20221220

This product is a White Petrolatum USP meeting requirements for USP (current revision) and FDA requirements as per 21 CFR 172.880.

Shelf Life: >3 years if stored between 15°C - 30°C for closed drum with original seal.

Released by Quality Control

Date printed (mm/dd/yyyy)