



UNIVERSAL PRESERV-A-CHEM INC.

Chemicals for Food, Pharmaceutical, Cosmetic and Industrial Trades

CERTIFICATE OF ANALYSIS

Product: PEG 1450 NF FLAKES

Trade Name: PEG 1450

UPI Item # 540028

CAS # 25322-68-3

Lot # UPI16151

Manufacturer: Oxiteno

Test Date: 2/23/2022

Best By Date: 8/23/2023

TEST	SPECIFICATIONS		TEST RESULTS
	MIN	MAX	
*Form	Waxy Flakes		Conforms
*Color	White		Conforms
*Odor	Odorless		Conforms
*+Identification (FTIR)	To Meet Requirements		Conforms
*Completeness and Color of Solution	To Meet Requirements		Conforms
Average Molecular Weight	1360.00	1560.00	1466.49
Viscosity, 210°C cSt	25.00	32.00	28.08
*pH at 5%, ADM	5.0	7.0	6.8
Residue on Ignition, %		0.10	< 0.10
Heavy Metals, ppm		5	< 5
Limit of Free Ethylene Oxide, ppm		10.00	< 1.00
Limit of 1,4-dioxane, ppm		10.00	< 1.00
APHA Color, (solution at 25%)		30	20
Hydroxyl Value, mg KOH/g	72.00	82.00	76.52
Residual Solvents	Meets Requirements		Conforms
Moisture, % (KF)		1.00	0.32

Unless noted, the above information is a direct translation of the testing listed on the manufacturer's Certificate of Analysis.

* Note - An inspection of this lot of material and subsequent retesting of the indicated parameters were performed by UPI's Quality Assurance Lab. An extended expiration / recommended retest date was assigned based on this data. It is the responsibility of the end user to evaluate and determine if further testing will be necessary for their application. This extension is not a substitute for appropriate Quality Control analysis prior to use.

†Value-added testing performed by UPI's Quality Assurance Laboratory.

STORAGE: Keep in sealed, unopened, original containers at 60° - 80° F. Avoid conditions of high humidity and temperature.

DCS: JRC/DLC

Approved By:

Date:

3/4/2022

Quality With Responsible Care !

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