

# Kalchem International

## Chemicals & Compounding Supplies

### CERTIFICATE OF ANALYSIS

**Product: LANOLIN ANHYDROUS USP LOW PESTICIDE COSMETIC GRADE**

UPI Code # 510038  
 CAS # 8006-54-0  
 Lot # UPI10952

Test Date: 2/18/2016  
 Best By Date: 12/18/2016

TEST	SPECIFICATIONS		TEST RESULTS
	MIN	MAX	
*Form @ 25 ° C	Paste		Conforms
*Color @ 25 ° C	Yellow, Opaque		Conforms
*Odor @ 25 ° C	Characteristic		Conforms
*Acidity, 2.0ml of 0.10N NaOH		2.0	1.13
Residue on Ignition, %		0.1	0.03
*Melting Range, ° C	38.0	44.0	42.1
Iodine Value	18.0	36.0	23.72
*Water Soluble Acids & Alkalies	To Meet Requirements		Conforms
Water Soluble Oxidizable Substance	To Meet Requirements		Conforms
Chloride, %		0.035	< 0.035
*Alkalinity /	To Meet Requirements		Conforms
Foreign Substance	To Meet Requirements		Conforms
Individual Specified Residue, ppm		10	< 10
Total Specified Residue, ppm		40	< 40
*Ammonia	To Meet Requirements		Conforms
Petrolatum	To Meet Requirements		Conforms
Water, %		0.25	0.02
Residual Solvents	To Meet Requirements		Conforms
Colour by Gardner		9	7.5
BHT, ppm		200	< 200
Identification (FTIR)	To Meet Requirements		

Unless noted, the above information is a direct translation of the information provided by the manufacturer.

\* 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: PG/EJB

Approved By:

*Elle J. Bantee*

Date: 18 February 2016

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