

Certificate of analysis (Representative Sample)

ZINC STEARATE

Batch No.

Manuf. Date:

Assay	Unit	Limits		Result
		Min	Max	
Identification Test ⁿ	--	conforming		conforming
A for Zinc				
B Freezing Point	°C	≥ 54		56 approx.
Acid Value of Fatty Acids	mg KOH/g	195	210	207
Zinc content	%	10.0	11.2	10.87
Oxide	%	12.5	14.0	13.55
Free Fatty Acids	%	--	1.0	0.14
Moisture	%	--	1.0	0.4
Organic volatile impurities		to pass test		to pass test
Sieve Residue (200 mesh)	%	--	0.5	0.1
Alkaly and alkaline earths	%		1.0	1.0 max
Bulk density	gr/l	260	360	280
Soluble salts	%	--	0.1	<0.1
Melting Point	°C	118	122	118÷122
As	ppm	--	1.5	0.5 max
Pb	ppm	--	10	10 max

Quality Control


IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.

Irradiator / Method: 131, Nordion Cobalt-60 Irradiator #131, DOLLY
 Dosimeter Batch: Harwell, Batch ND, Calibration Date 9/4/2014 5:00:00AM
 Spectrophotometer: Beckman, DU-640, Serial #4324039
 Digital Micrometer: Metralight, MX, Serial #700987

<u>Carrier</u>	<u>Seq</u>	<u>Coordinate</u>	<u>Batch - Cal Dt</u>	<u>Spectro S/N</u>	<u>Micrometer S/N</u>	<u>ABS</u>	<u>Thick (mm)</u>	<u>Final Dose (kGy)</u>	<u>Comment</u>
		15F24		4324039	MX 700987	0.9951	3.044	39.2	
1	2	16B24		4324039	MX 700987	0.8774	2.828	35.0	
2		15F24		4324039	MX 700987	1.0037	3.122	37.8	
2	2	16B24		4324039	MX 700987	0.8417	2.632	37.4	
3	1	15F24		4324039	MX 700987	0.9057	2.732	40.4	
3	2	16B24		4324039	MX 700987	0.9453	2.993	36.4	

Minimum Dose for Record (kGy): 35.0
 Maximum Dose for Record (kGy): 40.4

Last Dosimeter Absorbance Measurement Date/Time: 1/7/2015 3:27:35 PM

Comment Legend: OUT = Calc Dose Out of Limits; PID = Pre-Irradiated Dosimeter; GRP = Dosimeter Group

PROC-00036/01350 Last Rev DMA 1.0.2.1 & RT 3.6.2.1

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