

CERTIFICATE OF ANALYSIS# 20180686

SHIPPING INFORMATION

Date *March 13, 2018*

Lot# **20180299**

Description **GOLD SEAL ZINC OXIDE** Quantity **24.00000 t**

CHEMICAL CHARACTERISTICS

Element	Specification %	Min	Max	Production Avg
As	0.0001 MAX	< 0.0001	< 0.0001	< 0.0001
Cd	0.0010 MAX	0.0002	0.0003	0.0002
Cl	0.0005 MAX	0.0004	0.0004	0.0004
Cu	0.0002 MAX	< 0.0001	< 0.0001	< 0.0001
Fe	0.0005 MAX	0.0002	0.0003	0.0002
Mn	<= 0.000 1	< 0.0001	< 0.0001	< 0.0001
Ni	0.0001 MAX	< 0.0001	< 0.0001	< 0.0001
ZnO	99.9 MIN	99.9000	99.9000	99.9000
Pb (including PbO)	0.0020 MAX	0.0009	0.0011	0.0010
S	0.0007 MAX	0.0002	0.0002	0.0002
Total Impurities	0.1 MAX	0.1000	0.1000	0.1000

OTHER CHARACTERISTICS

Item	Specification	Min	Max	Production Avg
Surface area BET method (m2/g)	3.5- 7	4.4000	4.4000	4.4000
Fineness (through / 325 mesh) (%)	99.9 MIN	99.9800	99.9800	99.9800
Moisture (%) *	0.2 MAX	0.0900	0.0900	0.0900
Volatile materials (%) *	0.2 MAX	0.1100	0.1100	0.1100
Ignition loss (%) *	0.2 MAX	0.1600	0.1600	0.1600
Specific weight (g/cm3)	5.6	5.6000	5.6000	5.6000
pH *	7.3 - 7.5	7.4000	7.4000	7.4000
Water Soluble Salts (%) *	0.10 MAX	0.0900	0.0900	0.0900
Solubility in HCl (%) *	99.9 MIN	99.9610	99.9610	99.9610

* According to Nam DIN 55903 (Methods for the determination of zinc oxide)
 * According to Norm ASTM D 287 Method 'A'
 * Confirms with USP and Eurap, 1st Pharmacop.

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