

Kalyani Mine Products(P) Ltd

NH-11A,KHASRA No -749/11 & 750/5,

NON RIICO AREA, BAPI , DAUSA RAJASTHAN – 303507

H.O.: 61 A Park Street, Ambassador Road,3rd Floor ,

Suite No. 33 , Kolkata -700016 , India



B.No.	14-P	Mfg.Date:	03 / 08 / 2022
Invoice No.	H/EXP/192/22-23	Expiry Date:	02 / 08 / 2027
Qty.	12 MT		

**TALC - EP 2011 / USP 42
CERTIFICATE OF ANALYSIS**

S.No.	TEST PARAMETERS	OBSERVATION	ACCEPTANCE CRITERIA
01	SENSORY EXAMINATION		
I	Description	Complies	Very fine, white or grayish-white,crystalline powder.Is unctuous,adheres readily to the skin,and is free from grittiness.NF category: Glidant and/or anticaking agent ; lubricant; diluent.
II	Physical Examination, Appearance	Complies	Very fine powder and is free from grittiness
III	Physical Examination, Color	Complies	White or almost white
IV	Physical Examination, Odor	Complies	Odourless
02	PHYSICAL PROPERTIES		
I	Loss on Ignition	5.34	7 % w/w max.
03	SOLUBILITY PROPERTIES		
I	Water Soluble Substances	0.052	The filtrate is neutral to litmus paper, and weight of residue in NMT 5mg (0.10%)
04	CHEMICAL / INSTRUMENT PROPERTIES		
I	Identification		
a	Test A By IR	Test Complies	exhibits maxima at 3677+/-2 cm ⁻¹ , at 1018 +/-2 cm ⁻¹ and at 669 +/-2 cm ⁻¹
b	Test B By Chemical Test	Test Complies	A white,crystalline precipitate of magnesium ammonium phosphate is formed
c	Test C Silicates Test	Test Complies	A White ring is rapidly formed around the drop of water
II	Acidity or Alkalinity	0.1 ml of 0.01N HCl NaOH 0.1ml of 0.01N	Not more than 0.4ml of 0.01N HCl acid is required to change the colour of the bromothymol blue indicator . Not more than 0.3ml of 0.01N NaOH is required to change the colour of the indicator to pink..
III	Limit of Aluminium	0.48	2.0% Max.
IV	Limit of Calcium	0.42	0.90% Max.
V	Limit of Iron	0.0302	0.25% Max.
VI	Content of Magnesium	18.21	17.0 - 19.5%
05	TRACE METALS / HEAVY METALS		
I	Limit of Lead	<1	NMT 10 ppm
06	TALC SAFETY RELATED ANALYSIS		
I	Absence of Asbestos by XRD	Absent	Asbestos must be Absent
07	MICROBIOLOGY ANALYSIS		
I	Total Aerobic Microbial Count	<10	1000 cfu/g max
II	Total Combined Yeast & Mold Count	<10	100 cfu/g max
Analysed By		Approved By	
		www.htmcgroup.com	

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