



Distributed By –
UMC Ingredients
160 Chubb Ave., Ste. 206
Lyndhurst, NJ 07071
(201) 896-8666

Certificate of Analysis

Date/日期: 11/10/2021
H.C code/编号:12026
Product/产品名称 :HBN10
INCI Name: Boron Nitride
Lot No./ 批号 :210827
Produce date/生产日期: 27/08/2021
Best before date/最佳使用期限: 26/08/2024
Quantity/ 数量: 1KG

Test Item	Test Results	Specifications	Unit	Method
测试项目	检测结果	要求	单位	方法
Appearance/外观	confirmed	Free flowing powder	--	Visual
Odor/气味	confirmed	Faint Characteristic Odor	--	Organoleptic
Purity/纯度	99.75	≥99.7	%	in-house
O/总氧	0.32	<0.5	%	Oxygen & Nitrogen analyzer
B ₂ O ₃ /氧化硼	0.05	≤0.05	%	Potentionmetric
Particle size(D ₅₀)/ 粒径	9.70	9~11	μm	Laser Diffraction
比表面积 (BET)	6.80	6~12	m ² /g	BET
Oil Absorption/ 吸油值	85	85~120	g/100g	GB/T 5211
Whiteness/白度 (Wr)	97.9	≥95	--	Colorimeter
Tap Density/ 振实密度	0.17	0.15~0.35	g/cm ³	GB/T 5162
Loss on Drying/ 干燥失重	0.25	≤1.0	%	105°C 2 hours
Lead (Pb)	Not Detected	≤5.0	mg/kg	ICP-MS (Method Detection Limit(s): 0.2mg/kg)
Mercury (Hg)	Not Detected	≤1.0	mg/kg	
Arsenic (As)	Not Detected	≤2.0	mg/kg	
Cadmium(Cd)	Not Detected	≤3.0	mg/kg	
Antimony(Sb)	Not Detected	≤1.0	mg/kg	
Nickel(Ni)	Not Detected	≤10.0	mg/kg	ICP-OES (Method Detection Limit: 5mg/kg)
Total bacteria/菌落总数	<100	<100	cfu/g	GB/T7918
Coliform/大肠杆菌	Negative	Negative		
Mould& Yeasts count/ 霉菌和酵母菌	<10	<10		

Issued by lab
CERTIFIED BY:

HOCK CHEMIE (HK) ENTERPRISES PTE COMPANY

Tel: (852) 51205622 Email: info@hockchemie.com

CONGHUA PLANT:No. 13 Fuchong Rd CONGHUA Economic Development Zone GuangZhou CN