



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:10424

Product/产品名称 :HBN15

INCI Name/INCI 名称: Boron Nitride

Lot No./ 批号 :210727

Produce date/生产日期: 27/07/2021

Best before date/ 最佳使用期限: 26/07/2023

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	99.7	≥99.5	%	In-house (HCT-0009)
O/总氧	0.19	≤0.5	%	Oxygen & Nitrogen analyzer
B <sub>2</sub> O <sub>3</sub> /氧化硼	0.05	≤0.05	%	Potentionmetric
BET/比表面积	4.6	4.0~8.0	m <sup>2</sup> /g	BET
Whiteness(Wr)/白度	97.5	≥90	--	Colorimeter
Tap Density/ 振实密度	0.38	0.30~0.50	g/cm <sup>3</sup>	GB/T 5162
Loss on Drying/干燥失重	0.27	1.0 max	%	105°C 2 hours
Particle size(D <sub>50</sub> )/粒径	15.2	13~16	µm	Laser Diffraction
Lead (Pb)/ 铅	Not detected	≤5	mg/kg	ICP-MS (Method Detection Limit(s): 0.2mg/kg)
Mercury (Hg)/ 汞	Not detected	≤1	mg/kg	
Arsenic (As)/ 砷	Not detected	≤2	mg/kg	
Cadmium (Cd)/ 镉	Not detected	≤3	mg/kg	
Antimony (Sb)/ 锑	Not detected	≤1	mg/kg	
Nickel (Ni)/ 镍	Not detected	≤10	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		

Version: HC424-E1.0

Issued by lab  
CERTIFIED BY:  
HOCK CHEMIE ENT.PTE. LTD

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