

## CHEMICAL ANALYSIS

(Representative Sample Certificate)

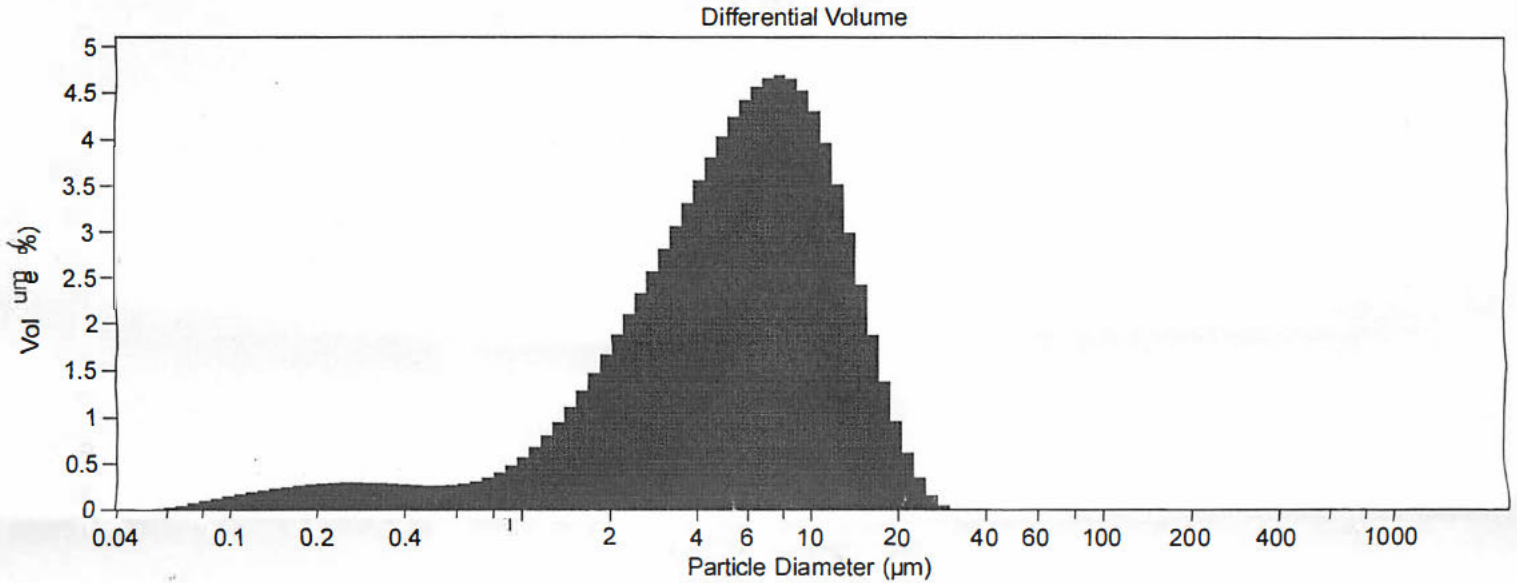
Boron Nitride Powder (BN)

Size : -10 um

<b>Lot Number</b>	<b>Not available (data may vary slightly with different lots or batches)</b>	
BN		99.77%
Calcium		0.006%
Carbon		0.007%
Iron		58ppm
Oxygen		0.13%
B <sub>2</sub> O <sub>3</sub>		0.08%
Chloride		22ppm
Aluminum		79ppm
Silicon		0.002%
Lead mg/kg		<0.1
Arsenic mg/kg		<0.1
Mercury mg/kg		<0.1
Surface Area m <sup>2</sup> /g		8.2
Particle size D50, micron		5.634
Moisture, %		0.09
Tap density, g/cm <sup>3</sup>		0.42

# LS Particle Size Analyzer

File ID: HG010PA210  
Sample ID: BNP -10P  
Comment 1: LOT #: N/a  
Comment 2: N/a  
Optical model: diamic.rf780d PIDS included



Volume Statistics (Arithmetic) N/a

Calculations from 0.040  $\mu\text{m}$  to 2000  $\mu\text{m}$

Volume:	100%	S.D.:	4.822 $\mu\text{m}$						
Mean:	6.628 $\mu\text{m}$	Variance:	23.26 $\mu\text{m}^2$						
Median:	5.634 $\mu\text{m}$	Skewness:	1.028 Right skewed						
D(3,2):	1.905 $\mu\text{m}$	Kurtosis:	1.017 Leptokurtic						
Mode:	7.775 $\mu\text{m}$								
$d_{10}$ :	1.324 $\mu\text{m}$	$d_{50}$ :	5.634 $\mu\text{m}$	$d_{90}$ :	13.35 $\mu\text{m}$				
<10%	1.324 $\mu\text{m}$	<25%	2.928 $\mu\text{m}$	<50%	5.634 $\mu\text{m}$	<75%	9.366 $\mu\text{m}$	<90%	13.35 $\mu\text{m}$