

## ALB Materials Inc

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### Certificate of Analysis

Item Code: ALB-HP-P2O5  
Product Name: High Purity Phosphorus Pentoxide (P2O5)  
Grade: Electronic Grade, 6N  
Lot Number: ALB-20160701  
Date: 7/1/2016

Items	Specifications	Results
Appearance	White powder	Complies
Al	≤150 ppb	43.65 ppb
As	≤200 ppb	31.91 ppb
Ba	≤50 ppb	3.36 ppb
Cd	≤20 ppb	2.74 ppb
Co	≤20 ppb	2.72 ppb
Ca	≤700 ppb	171.58 ppb
Cr	≤80 ppb	21.69 ppb
Cu	≤50 ppb	8.98 ppb
Fe	≤500 ppb	125.76 ppb
Pb	≤50 ppb	11.64 ppb
Li	≤50 ppb	6.58 ppb
Mg	≤500 ppb	105.73 ppb
Mn	≤50 ppb	12.24 ppb
Ni	≤100 ppb	23.85 ppb
K	≤700 ppb	99.76 ppb
Na	≤500 ppb	110.21 ppb
Sr	≤50 ppb	4.12 ppb
Zn	≤150 ppb	50.36 ppb
Assay (P <sub>2</sub> O <sub>5</sub> )	≥99.9999%	99.99992%

Storage: Keep container tightly closed in a dry and well-ventilated place.  
Never allow product to get in contact with water during storage.

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