

POTASSIUM FLUOROBORATE

GENERAL INFORMATION

Boron Products, LLC supplies potassium fluoroborate (KBF₄) as a secondary product. This product is marketed in industries where very high purity is not required. Boron Products supplies KBF₄ as a ¹⁰B depleted product. The isotopic composition is altered, but no analysis or certification of isotopic content is supplied. The material is a white to off-white powder exhibiting the following general characteristics:

General Characteristics		
Characteristic	Value	Limit (if applicable)
Moisture (Loss on drying)	1000 ppm	Maximum
pH of Solution	3.0 to 3.5	
Loss on Ignition	3000 ppm	Maximum
Bulk Density	1.3 kg/L	Minimum
Particle Size		
+60 mesh	Provided for information	
-60/+200 mesh	Provided for information	
-200/+325 mesh	Provided for information	
-325 mesh	Provided for information	

Typical Analytical Results		
Characteristic	Typical Analysis	Limit (if applicable)
Boron content	8.4 to 8.7 wt%	
Na(Sodium)	<1000 ppm	Maximum
Si(Silicon)	<2000 ppm	Maximum
Al(Aluminum)	<100 ppm	Typical
Ca(Calcium)	<100 ppm	Typical
Cu(Copper)	<100 ppm	Typical
Fe(Iron)	<100 ppm	Typical
Mg(Magnesium)	<100 ppm	Typical
Ti(Titanium)	<100 ppm	Typical

- Packaging: fiber drum

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