

Haifa K-Solar

13-0-46

Crystalline potassium nitrate – technical grade

For use in CSP (Concentrated Solar Power) projects

Product Specification (typical values)

Analyte	Unit	Typical	Specification	
			Min.	Max
Appearance	-	White Crystals		
Assay (as KNO ₃)	%	99.7	99.4	
Chloride (Cl)	ppm	850		1000
Sulfur (S)	ppm	40		100
Sodium (Na)	ppm	250		350
Magnesium (Mg)	ppm	17		
Total insoluble materials	ppm	300		700
Loss on Drying (moisture)	%	0.09		0.15
Iron (Fe)	ppm	<1		3
Copper (Cu)	ppm	<1	1	
Chromium (Cr)	ppm	<1		
Lead (Pb)	ppm	<1	3	
Arsenic (As)	ppm	<1	3	
Bulk Density	$\frac{g}{cm^3}$	1.1	0.8	1.14
Particle Size (Screen analysis)	mm	<2.2		2.2
pH (10%)	7.1			

Note:

- The product does not contain any anti-caking agents.
- The product does not contain compounds, as follows: Perchlorates, Chlorates, Chlorites, Hypochlorite.

Packaging

- 25Kg Polyethylene heat sealed FFS bags.
- 500Kg/1000Kg/1200Kg Net big bags woven polypropylene with discharge spout and lifting loops.

Uses

Haifa K-Solar is used for heat storage and heat transfer.

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