

## SPECIFICATION

Product:	<b>Potassium iodide BP/ EP / USP</b>
CAS-No.:	7681-11-0
EINECS/EG-No.:	231-659-4
HS-Code.:	28276000
Chemical Formula:	KI

### Sales Specification:

Appearance:	white, crystalline powder	
Solubility:	very soluble in water, free soluble in glycerol, soluble in alcohol	
Identification:	BP:	Test(A) shows iodide reaction Test(B) shows potassium reaction
	USP:	Meets the test conditions of potassium and iodide
Heavy Metals:	max.	10 ppm
Loss On Drying:	max.	1 wt.-%
Alkalinity:	BP:	max. 0,5ml of 0,01 M HCL $\hat{=}$ max. 0,0224% KOH
	USP:	No colour reaction
Iodate:	BP:	no development of blue colour on the test
	USP:	max. 4 $\mu$ g/g
Thiosulphate & Barium:	BP:	Test develops blue colour
	USP:	No development of turbidity in the test within one minute
Sulphates:	max. 150ppm	
Iron	max. 20 ppm	
Appearance of the Solution:	A 10% (w/v) solution CO <sub>2</sub> -free water is clear and colourless	
Limit value for nitrate, Nitrite and ammonia:	Blue color of the test paper can not be detected	
Volatile organic, impurities:	Chloroform	max. 60 $\mu$ g/g
	1,4 Dioxane	max. 380 $\mu$ g/g
	Methylenchloride	max. 600 $\mu$ g/g
	Trichlorethylene	max. 80 $\mu$ g/g
Purity / Assay:	BP (on dry basis):	from 99,0% to 100,5% KI
	USP (on dry basis):	from 99,0% to 101,5% KI
Particle Size (Tyler Machine):	100% passes Mesh 16 99,25% passes Mesh 20 99,25% $\leq$ 0,841mm	
<b>Physical Data:</b>		
Density at 15 °C	3,130 g/ml	
Molar Mass	166,01 g/mol	

These details are based on our present knowledge. They do not absolve the processor from responsibility for suitability and quality testing due to the wide variety of potential external influences that may be exerted during the application and processing of this product. Binding/legal warranties concerning the properties for specific applications/purposes cannot be inferred from these details

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