



Specification

Concerning Product:	
Article number	7681110LPBU
Trade name / designation / denomination	Kaliumjodid BP, USP (potassium iodide)
CAS number	7681-11-0
Other names / synonyms	•potassium iodide;
EC number	231-659-4
Customs tariff number / CN code / TARIC	28276000
Molecular weight [g / mol]	166,01
Formula	KI IK

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	A 10% (w/v) solution in CO 2 -free water is clear and colorless	
Appearance	white crystalline powder	
Physical parameter		
Acidity/Alkalinity	BP: max. 0.5ml of 0.01M HCL Δ max. 0.0224% KOH USP: No color reaction	
Density	15°C = 3,130	g/ml
Loss on drying	≤ 1	%
Solubility	very soluble in water, freely soluble in glycerol, soluble in alcohol	
Identity		
Assay	BP 99,0 – 100,5	%
Assay	USP 99,0 – 101,5	%
Identification	BP: Test(A) shows iodide reaction Test(B) shows potassium reaction USP: Passes the test conditions for potassium and iodide	
Impurities		
Heavy Metals (as Pb)	≤ 10	ppm
Nitrates	The test paper does not turn blue	
Sulphates (SO ₄)	≤ 150	ppm
Elemental Impurities		
Barium (Ba)	BP: Test turns blue USP: Test does not develop turbidity within one minute	
Iron (Fe)	≤ 20	ppm
Iodine (I ₂)	BP: Test does not develop blue color USP: max 4µg/g	
Organic volatile impurities		
Org. volat. Imp. Total	Chloroform max. 60µg/g 1,4 Dioxan max. 380µg/g Methylenchlorid max. 600µg/g Trichlorethylen max. 80µg/g	
Particle size distribution		
Particles	16 mesh - 100	%
Particles	20 mesh 99,25	%
Particles	<= 0,841mm 99,25	%

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Waltrop, 22. Sep. 2022

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Layout-Version: V2018.11a