



Spezifikation

Produktbezug:	
Produktnummer	7681110LPBU
Handelsname / Bezeichnung	Kaliumjodid BP, USP (potassium iodide)
CAS Nummer	7681-11-0
Andere Bezeichnungen / Synonyme	•Kaliumiodid; •Kaliumjodid; •potassium iodide;
EG Nummer	231-659-4
Zolltarifnummer / CN-Code	28276000
Molekulargewicht [g/mol]	166,01
Formel	KI IK

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen der Lösung	Eine 10%ige (w/v) Lösung in CO ₂ -freiem Wasser ist klar und farblos	
Aussehen	weißes, kristallines Pulver	
Physikalische Parameter		
Säuregehalt	BP: max. 0,5ml von 0,01 M HCL $\triangleq$ max. 0,0224% KOH USP: Keine Farbreaktion	
Dichte	15°C = 3,130	g/ml
Trocknungsverlust	≤ 1	%
Löslichkeit	sehr löslich in Wasser, frei löslich in Glycerin, löslich in Alkohol	
Identifikation		
Gehalt	BP 99,0 – 100,5	%
Gehalt	USP 99,0 – 101,5	%
Identifizierung	BP: Test(A) zeigt Jodid-Reaktion Test(B) zeigt Kalium-Reaktion USP: Erfüllt die Testbedingungen für Kalium und Jodid	
Verunreinigungen		
Schwermetalle (als Pb)	≤ 10	ppm
Nitrate	Blaufärbung des Testpapiers ist nicht erkennbar	
Sulphat (SO ₄)	≤ 150	ppm
Elementare Verunreinigungen		
Barium (Ba)	BP: Test entwickelt eine Blaufärbung USP: Test entwickelt keine Trübung innerhalb einer Minute	
Eisen (Fe)	≤ 20	ppm
Jod (I ₂)	BP: Test entwickelt keine blaue Farbe USP: max. 4µg/g	
Organische flüchtige Verunreinigungen		
Org. flücht. Veru. in Summe	Chloroform max. 60µg/g 1,4 Dioxan max. 380µg/g Methylenchlorid max. 600µg/g Trichlorethylen max. 80µg/g	
Partikelgrößenverteilung		
Partikel	16 mesh - 100	%
Partikel	20 mesh 99,25	%
Partikel	$\leq 0,841$ mm 99,25	%

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Waltrop, 22. Sep. 2022

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