



Specification

Concerning Product:	
Article number	25655418BPEJ
Trade name / designation / denomination	Povidone iodine, EP, JP
CAS number	25655-41-8
Other names / synonyms	•1-ethenyl-2-pyrrolidinone; molecular iodine; •2-Pyrrolidinone, 1-ethenyl-, homopolymer, compd. with iodine; •Povidone Iodine;
EC number	607-771-8
Molecular weight [g / mol]	364.9507
Formula	C ₆ H ₉ I ₂ NO

Parameter	Test Method	Specification	Unit
Organoleptic test			
Colour	Ph.Eur.	yellow-brown or reddish-brown	
Physical parameter			
Form	Ph.Eur.	amorphous powder	
Loss on drying	Ph.Eur., USP	≤ 8,0	%
pH value	Ph.Eur.	(10% in H ₂ O): 1,5 – 3,5	
Solubility	Ph.Eur.	10% in water: complies	
Identity			
Assay	Ph.Eur., USP	9,0 – 12,0	%
Identification	USP	Film air dry test: complies	
Identification	Ph.Eur., USP	Starch Test: complies	
Infrared absorption spectrometry	Ph.Eur.	complies	
Impurities			
Heavy Metals (as Pb)	USP	≤ 10	ppm
Sulphated ash	Ph.Eur., USP	≤ 0,025	%
Elemental Impurities			
Iodine (I ₂)	Ph.Eur., USP	≤ 6,0	%
Nitrogen (N)	USP	9,5 – 11,5	%

Annotation:

*: ungenaue Übersetzung aus dem Englischen

Supplemental information:

Regional origin: D

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 14. Sep. 2020

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