

SPECIFICATIONS

Product Name	<p>Iopromide</p>		
CAS No.	73334-07-3		
Molecular Formula	$C_{18}H_{24}I_3N_3O_8$	Molecular weight	791.11
No.	Items	Specifications	
1	Description	A white to pale yellow powder	
2	Identification 1) IR 2) TLC	Similar intensities of absorption at the same wave number. The R_f value of the principal spot corresponds to that of the Standard solution.	
3	Water	Not more than 1.5%	
4	Residue on ignition	Not more than 0.1%	
5	Free iodide	Not more than 0.002%	
6	Free iodine	The toluene layer shows no red color.	
7	Heavy metals	Not more than 0.002% (The color of the sample solution is not darker than that of Standard solution.)	
8	Free aromatic amine	Not more than 0.1%	
9	Ethyl alcohol	Not more than 0.4%	
10	<i>N</i> -Acetyl compound	Not more than 1.5%	
11	Ordinary impurities	Not more than 0.5% (Impurity C) Not more than 1.0% (Impurity D) Not more than 0.5% (Impurity E) Not more than 0.2% (Impurity F) Not more than 0.1% (Any other impurity ; Max) Not more than 3.0% (Total impurities)	
12	Isomer distribution 1) <i>E</i> 1- and <i>Z</i> 1- 2) <i>E</i> 2- and <i>Z</i> 2-	40.0% ~ 51.0% 49.0% ~ 60.0%	
13	Assay	97.0% ~ 102.5% (anhydrous and solvent-free basis)	
14	Conductivity	Maximum 50 $\mu S \cdot cm^{-1}$	
15	Bacterial endotoxins	Less than 1.0 IU/g	
16	Residual solvents	ICH guide-line	

* Test all items according to USP/and EP except In-house specification.