

### Certificate of Analysis

Product name:	Iohexol	CAS No.	66108-95-0
Batch No.:	RY1812005M	Quantity	25kg
Manufacturing date:	20181208	Expiry Date	2020-12-07

Items		Specification	Analysis Result
<b>Appearance</b>		White or almost white powder	Conforms
<b>Color of solution</b>		400nm:not more than 0.180 420nm:not more than 0.030 450nm:not more than 0.015	0.140 0.008 0.006
<b>Identification</b>		A:IR spectrum B:UV spectrum C:TLC D:Violet vapors are evolved	Conforms
<b>Specific rotation</b>		Between -0.5° and +0.5°	0°
<b>Water</b>		Not more than 4.0%	0.8%
<b>Heavy metals</b>		Not more than 0.002%	Conforms
<b>Free aromatic amines</b>		Not more than 0.05%	Conforms
<b>Free iodine</b>		Toluene layer shows no red or pink	Conforms
<b>Free iodide</b>		Not more than 0.001%	Conforms
<b>Ionic compounds</b>		Not more than 0.01%	Conforms
<b>Related substances</b>	<b>O-alkylated</b>	Not more than 0.6%	0.40%
	<b>Any individual impurity</b>	Not more than 0.1%	0.04%
	<b>Sum of all impurities,other than o-alkylated compounds</b>	Not more than 0.3%	0.13%
<b>Residual solvents</b>	<b>Methanol</b>	Not more than 0.005%	ND
	<b>Isopropanol</b>	Not more than 0.005%	ND
	<b>N-Butanol</b>	Not more than 0.002%	ND
	<b>Methoxyethanol</b>	Not more than 0.002%	Conforms
<b>3-chloro-1, 2-propylene glycol</b>		Not more than 0.0025%	Conforms
<b>Bacterial endotoxins</b>		Not more than 0.003 EU/mg	Conforms
<b>Assay</b>		98.5%-102.0% (on anhydrous basis)	99.2%
<b>Conclusion:</b>		Conform to the USP 38 standards	



Tested by: Alice

Checked by: Esther

Approved by: Linda