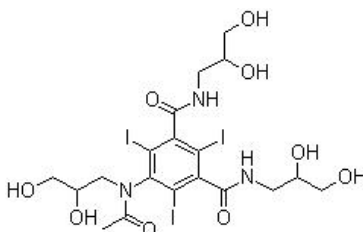


# Certificate of Analysis

**Product Name:** Iohexol

**CAS No.:** 66108-95-0



<b>Batch No.</b>	SJAR241212	<b>Quantity</b>	1523.3kgs
<b>Mfg. Date</b>	Dec. 12, 2024	<b>Package</b>	25.0kg/drum
<b>Rep. Date</b>	Dec. 16, 2024	<b>Exp. Date</b>	Dec. 11, 2026
<b>Items</b>	<b>Standards</b>		<b>Results</b>
<b>Appearance</b>	White to off-white, hygroscopic, odorless powder.		White hygroscopic, Odorless powder.
<b>Identification</b>	A: By IR Absorption spectrum.		Complies
	B: The Retention times of the two principal peaks of the Sample solution correspond to those of the System suitability solution, as obtained in the test for Organic Impurities		Complies
<b>Solubility</b>	Very soluble in water and methanol, practically insoluble or insoluble in ether and chloroform.		Complies
<b>Color of solution</b>	The absorbance of the sample solution at 400nm, 420nm and 450nm should be not more than 0.180, 0.030 and 0.015, respectively.		400nm:0.142 420nm:0.006 450nm:0.0005
<b>Water Content</b>	$\leq 4.00\%$		0.9%
<b>Free iodide</b>	$\leq 0.001\%$		0.0002%
<b>Ionic compounds</b>	$\leq 0.01\%$		0.002%
<b>Free aromatic amine</b>	$\leq 0.05\%$		0.003%
<b>Related Substances</b>	O-alkylated compounds: $\leq 0.6\%$		0.40%
	Any Single Impurities: $\leq 0.1\%$		ND
	Total impurities including O-alkylated compounds: $\leq 0.3\%$		ND
<b>2-Methoxyethanol</b>	$\leq 20\mu\text{g/g}$		1 $\mu\text{g/g}$
<b>3-Chloropropane- 1,2-diol</b>	$\leq 0.0025\%$		0.0001%
<b>Assay (on the anhydrous basis)</b>	98.0% ~102.0%		99.60%
<b>Microbial Cont</b>	Total Aerobic Bacteria: $\leq 10^3\text{cfu/g}$		< 10cfu/g
	Total Yeast and Mold: $\leq 10^2\text{cfu/g}$		< 10cfu/g
	Total Escherichia Coli: Negative/g		Negative
<b>Bacterial Endotoxin</b>	< 0.7 EU/g		< 0.7 EU/g
<b>Reference Standard</b>	<b>USP 43 Standard</b>		
<b>Conclusion</b>	<b>The product complied to USP 43 standard.</b>		
<b>Storage</b>	<b>Preserve in tight, light-resistant containers in a cool place</b>		

Analyst: Zhang Weilong

*Zhao Hongyu*

Checker: Zhao Hongyu