

CERTIFICATE OF ANALYSIS

Product Name	Arbidol Hydrochloride	Batch NO.	RY19101112
Production date	2019.11.12	Expired Date	2021.11.11
CAS NO.	131707-23-8	standard	CP2010
Tests	Limits		Test results
Appearance	White or almost white powder		Almost white powder
absorption factor	Should be 385~409		399
Identification	Should produce orange red precipitate		Conforms
	In the chromatogram of content determination, the retention time of the main peak of the sample solution should be consistent with that of the standard solution.		Conforms
	The infrared absorption spectra should be consistent with the standard samples		Conforms
	The identification reaction of filtrate should be chloride		Conforms
Clarity and color of ethanol solution	Solution clarity should be less than No. 1 turbidity standard solution.		Conforms
	The color should be lighter than No. 3 yellow green or No. 3 brown red standard color solution		Conforms
PH	≤4.0~6.0		4.3
Water	3.0%~4.0%		3.4%
Ignition residue	≤0.2%		0.1%
Heavy Metals	≤10ppm		<10ppm
Residual solvents	Ethanol≤0.5%		0.02%
	Acetone≤0.5%		0.01%
Related Substances	Single impurity≤0.5%		0.2%
	Total impurity≤1.0%		0.6%
Assay	98.0%~102.0%(based on dry substance)		100.3%

Microorganism	Total number of aerobic bacteria $\leq 1000\text{cfu/g}$	20cfu/g
	Total number of mucedines and yeasts $\leq 100\text{cfu/g}$	$< 10\text{cfu/g}$
Residual solvents	Acetonitrile $\leq 0.02\%$	N.D.
Conclusion: This batch meets CP2010.		



Tested by: Esther

Checked by: Alice

Approved by: Mich

