

CERTIFICATE OF ANALYSIS

Product Name	(3R)-N-methyl-3-(2-methylphenoxy)-3-phenylpropan-1-amine hydrochloride (technical)	Batch NO.	RY190707
Production date	2019.07.07	Expired Date	2021.07.06
CAS NO.	82248-59-7	standard	Enterprise standard
Tests	Limits	Test results	
Appearance	White or off-white powder, odourless	Conforms	
Solubility	It is easy to soluble in absolute ethanol, slightly soluble in water, and almost insoluble in heptane	Conforms	
Melting point	166°C~169°C	167.5°C~168°C	
Specific rotation	-34.0°~38.0°	Conforms	
Identification	Retention time of the main peak of the test product and the main peak of the reference product are the same	Conforms	
	The infrared light absorption spectrum should be consistent with the reference spectrum	Conforms	
	Identification of chlorides in aqueous solution of this product	Positive	
Related substances	O-cresol≤0.10%	Conforms	
	Amphetamine≤0.10%	N.D.	
	Phenylpropanolamine≤0.10%	N.D.	
	Dimethyl tomoxetine≤0.10%	N.D.	
	Desmethoxetine≤0.3%	0.03%	
	The single impurity ≤0.10%	0.04%	
	The total impurities≤0.50%	0.14%	
Enantiomer	≤0.15%	0.001%	
M-tomoxetine	≤0.10%	N.D.	
P-tomoxetine	≤0.10%	N.D.	

Residual solvents	Methanol $\leq$ 0.30%	0.18%
	Dichloromethane $\leq$ 0.06%	N.D.
	N-hexane $\leq$ 0.029%	N.D.
	Ethyl acetate $\leq$ 0.50%	N.D.
	Cyclohexane $\leq$ 0.388%	N.D.
	Toluene $\leq$ 0.089%	N.D.
Loss on drying	$\leq$ 0.50%	0.09%
Residue on ignition	$\leq$ 0.10%	0.04%
Heavy metal	$\leq$ 10ppm	Conforms
Assay (drying)	98.0%~102.0%	99.5%
Conclusion: This batch meets enterprise standard.		



Tested by: Esther

Checked by: Alice

Approved by: Mich