

WUHAN WUYAO PHARMACEUTICAL CO.,LTD



CERTIFICATE OF ANALYSIS

REC-QC-00235-04

Report Number: J15-200002

Product Name:	Adrenaline Tartrate	Batch No:	C38-200401
Test Standard:	EP10.0/BP2018	Manufacturing Date:	2020.04.02
Packing:	1kg/bag /100g/bag	Report Date:	2020.04.09
Quantity:	15.22kg	Retest Date:	2023.03

Item	Requirements	Result
【Characters】		
Appearance	White or greyish-white, crystalline powder	White crystalline powder
Solubility	freely soluble in water, slightly soluble in ethanol (96 per cent)	Conforms
【Identification】		
A. Specific optical rotation	-53.5° to -50°	-51.3°
B. IR	The sample spectrum complies with the reference standard spectrum	Conforms
C. Tartrates reaction	Should be comply	Conforms
【Tests】		
Appearance of solution	Not more than II Not more than BY5	< II < BY5
Related substances (HPLC)		
Impurity A	Not more than 0.3%	Not detected
Impurity B	Not more than 0.2%	Not detected
Impurity C	Not more than 0.2%	Not detected
Impurity D	Not more than 0.1%	Not detected
Impurity E	Not more than 0.1%	Not detected
Unspecified Impurities	Not more than 0.10%	<0.05%
Total impurities	Not more than 0.6%	<0.05%
Loss on drying	Not more than 0.5%	0.1%
Sulfated ash	Not more than 0.1%	0.04%
【Assay】		
(dried substance)	98.5% to 101.0%	99.3%

Conclusion: The above product complies with the standard EP10.0/BP2018

Approved by:  2020.04.09 Checked by:  2020.04.09 Prepared by:  2020.04.09

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CERTIFICATE OF ANALYSIS

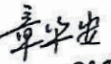
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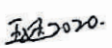
Product Name:	Adrenaline Tartrate	Batch No:	C38-200401
Test Standard:	Customer Standard	Manufacturing Date:	2020.04.02
Packing:	1kg/bag/100g/bag	Report Date:	2020.04.09
Quantity:	15.22kg	Retest Date:	2023.03

Item	Requirements	Result
【Microbial test】:		
Total aerobic microbial count:	Not more than 100 CFU/g	<1CFU/g
Total yeasts and mould count:	Not more than 10 CFU/g	<1CFU/g
【Bacterial endotoxins】:	Not more than 192 EU/mg	<192 IU/mg

Conclusion: The above product complies with the standard Customer Standard

Approved by: 
2020.04.09

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