

产品质量检测报告

Material 货号	FT1.01001.4000
Material description 名称	Acetonitrile 乙腈
Grade 等级	FTSCI Chromatographic grade for LC-MS grade-suitable for UPLC-MS/HPLC-MS instruments LC-MS乙腈适用于UPLC-MS/HPLC-MS
Lot 批次号	FT0102011907
Production date 生产日期	07/2019
CAS Number CAS号	75-05-8
Molecular formula 化学式	C ₂ H ₃ N
Molecular mass 分子量Last	41.05
Quality Control 有效期至	06/2022

Characteristics 检测项目	Specifications 标准规定	Measured values 测量值
Assay(on anhydrous substance) 含量	Min.99.9%	99.99%
Solution (100g/l) 溶解度	Neutral	Neutral
Acidity 酸度	Max. 0.0002 meq/g	0.000086 meq/g
Alkalinity 碱度	Max. 0.0001 meq/g	0.000043 meq/g
Boiling point 沸点	80-->82°C	81°C
Colouration 色度	Max. 10 APHA	10 APHA
Density (20/4) 密度 (4°C)	0.781 --> 0.784	0.782
Density (20/20) 密度 (20°C)	0.782 --> 0.785	0.783
n 20/D 折光率	1.343 --> 1.345	1.343
Evaporation residue 蒸发残渣	Max. 1 ppm	0.72 ppm
Water 水分	Max. 100 ppm	54.7 ppm
Al (Aluminium) 铝	Max.10 ppb	<10 ppb
Ca (Calcium) 钙	Max.10 ppb	<10 ppb
Fe (Iron) 铁	Max.10 ppb	<10 ppb
K (Potassium) 钾	Max.10 ppb	<10 ppb
Mg (Magnesium) 镁	Max.10 ppb	<10 ppb
Na (Sodium) 钠	Max.50 ppb	<50 ppb
Absorbance 吸光度	(190 nm)	Max. 0.5 0.429
	(195 nm)	Max. 0.1 0.057
	(200 nm)	Max. 0.02 0.018
	(210 nm)	Max. 0.02 0.013

For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user

本产品用于实验室或制造中的专业用途，不用作活性药物成分、食物或动物喂养；产品的适用性和预期用途仍然是用户的责任。

FTSCI Hubei Fudun Biochemistry Technology Co., Ltd. 湖北弗顿生化科技有限公司

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Absorbance 吸光度	(220 nm)	Max. 0.01	0.008
	(230 nm)	Max. 0.005	0.004
	大于(240 nm)	Max. 0.005	<0.005
Transmittance 透光率	(190 nm)	Min. 35%	37.2%
	(195 nm)	Min. 85%	87.6%
	(200 nm)	Min. 95%	95.9%
	(210 nm)	Min. 96%	97.0%
	(220 nm)	Min. 97%	98.1%
	(230 nm)	Min. 99%	99.0%
	大于(240 nm)	Min. 99%	>99.5%
Fluorescence(as quinine) (254/450nm) 荧光 (254/450nm)		Max.1 ppb	<1 ppb
Gradient (210 nm) 梯度 (210 nm)		Max. 0.5 mAU	0.43 mAU
Gradient (254 nm) 梯度 (254 nm)		Max. 0.5 mAU	<0.5 mAU
MS-ESI+ (as Reserpine) 利血平		Max.10 ppb	< 10 ppb
MS-APCI+ (as Reserpine) 利血平		Max.20 ppb	< 20 ppb
MS-ESI- (as 4-Nitrophenol) 硝基酚		Max.20 ppb	< 20 ppb
MS-APCI- (as 4-Nitrophenol) 硝基酚		Max.20 ppb	< 20 ppb
Conforms to Ch.P. 满足中国药典		Passes test	Passes test
Conforms to Reag.Ph.Eur. 满足欧洲药典		Passes test	Passes test
Conforms to ACS 满足美国化学学会标准		Passes test	Passes test

Signature 签名

We certify that the batch of products meet the above specifications.
 我们保证这批产品符合上述要求。

Head of Laboratory-
 分析室经理-

FT SCI Group Company; FORTUNE TREE Chemical Analysis
 and Testing Center China
 弗顿控股
 弗顿分析检测中心



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