

Certificate of Analysis

Water for LC/MS

[7732-18-5] (H₂O)FW:18

Product code : 1939-5

LC/MS Grade

Lot-NCC104

TESTS	UNIT	SPECIFICATION	RESULTS
LC-MS Suitability			
ESI+ mode (as Reserpine)	ppb	Max. 50	<50
ESI- mode (as 4-Nitrophenol)	ppb	Max. 50	<50
Residue after evaporation	ppm	Max. 1	<1
UV Absorbance 200 nm		Max. 0.01	<0.01
UV Absorbance 250-400 nm		Max. 0.005	<0.005
Gradient Elution test			
- Largest eluted peak(254nm)	mAU	Max. 1	<1
- Largest eluted peak(210nm)	mAU	Max. 5	<5
Fluorescence Trace Impurities			
- at 450nm Emission	ppb	Max. 0.1	<0.1
- at Emission Maximum for impurities	ppb	Max. 0.2	<0.2
Metal impurities			
Aluminium (Al)	ppb	Max. 25	<1
Barium (Ba)	ppb	Max. 5	<1
Cadmium (Cd)	ppb	Max. 5	<1
Calcium (Ca)	ppb	Max. 25	<11
Chromium (Cr)	ppb	Max. 5	<1
Cobalt (Co)	ppb	Max. 5	<1
Copper (Cu)	ppb	Max. 5	<1
Iron (Fe)	ppb	Max. 5	<1
Lead (Pb)	ppb	Max. 5	<1
Magnesium (Mg)	ppb	Max. 25	<3
Manganese (Mn)	ppb	Max. 5	<1
Lithium (Li)	ppb	Max. 5	<1
Nickel (Ni)	ppb	Max. 5	<1

Mfg. Date : 2023-12-12
 Exp. Date : 2 years after Mfg. Date
 Test Method : ACS 11th Edition
 Tested By : Won-Jun,Choi

DUKSAN PURE CHEMICALS CO., LTD

Ansan | 53, Sinwon-ro 133beon-gil, Danwon-gu, Ansan-si, Gyeonggi-do, Korea
 Jincheon | 13-37, Sansusandan 1-ro, Deoksan, Jincheon-gun, Chungcheongbuk-do, Korea
 TEL : +82-31-495-6886 FAX : +82-31-495-5335
 World Wide Web : WWW.DUKSAN.KR
 E-mail : QC@DUKSAN.KR



Quality Assurance Director

Certificate of Analysis

Water for LC/MS

[7732-18-5] (H₂O)FW:18

Product code : 1939-5

LC/MS Grade

Lot-NCC104

TESTS	UNIT	SPECIFICATION	RESULTS
Potassium (K)	ppb	Max. 25	<1
Silver (Ag)	ppb	Max. 5	<1
Sodium (Na)	ppb	Max. 50	<9
Tin(Sn)	ppb	Max. 5	<1
Zinc (Zn)	ppb	Max. 5	<1
Filtered by 0.2um filter			

Mfg. Date : 2023-12-12
 Exp. Date : 2 years after Mfg. Date
 Test Method : ACS 11th Edition
 Tested By : Won-Jun,Choi

DUKSAN PURE CHEMICALS CO., LTD

Ansan | 53, Sinwon-ro 133beon-gil, Danwon-gu, Ansan-si, Gyeonggi-do, Korea
 Jincheon | 13-37, Sansusandan 1-ro, Deoksan, Jincheon-gun, Chungcheongbuk-do, Korea
 TEL : +82-31-495-6886 FAX : +82-31-495-5335
 World Wide Web : WWW.DUKSAN.KR
 E-mail : QC@DUKSAN.KR



Quality Assurance Director