

# DUKSAN LC-MS Solvents



- Trace Mass detectable impurities  
: No signals should be greater than 50ppb Reserpine (ESI positive mode) & 50ppb 4-Nitrophenol(ESI negative mode)  
: Trace metal ions and non-volatile residues
- UPLC-UV-MS/MS & UPLC-UV-TOF-MS Tested
- Filtered through the 0.2um filter
- Also tested HPLC gradient suitability, UV/VIS Absorbance, Assay, water & Residue after evaporation

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## ■ Product Specifications

Solvent	Acetonitrile	Methanol	Water
Packaging	1L, 2.5L, 4L	1L, 2.5L, 4L	1L, 2.5L, 4L
Filtration	0.2um	0.2um	0.2um
ESI+ mode (as Reserpine)	50ppb	50ppb	50ppb
ESI- mode (as 4-Nitrophenol)	50ppb	50ppb	50ppb
Assay (by GC)	min. 99.9%	min. 99.9%	-
Color(APHA)	10	10	10
Water	0.01%	0.05%	
Residue after evaporation	1ppm	1ppm	1ppm
Titration acid	0.008 meq/g	0.0003 meq/g	-
Titration base	0.0006 meq/g	0.0002 meq/g	-
Maximum UV Absorbance			
190nm	1.00	-	0.01
195nm	0.15	-	-
200nm	0.05	-	0.01
205nm	0.04	1.00	-
210nm	0.02	-	-
220nm	0.01	0.25	-
254nm	0.01	0.02	-
280nm	-	0.01	-
250 ~ 400nm	-	-	0.005
LC Gradient Suitability	To pass test	To pass test	To pass test
Metal impurities			
Al, Ca, Mg, K	25ppb	25ppb	25ppb
Ba, Cd, Cr, Co, Cu, Fe, Pb, Mn,	5ppb	5ppb	5ppb
Li, Ni, Ag, Sn, Zn	5ppb	5ppb	5ppb
Sodium(Na)*	50ppb	50ppb	50ppb

\*May change over time

REAGENTS  
**DUKSAN** DUKSAN  
PURE CHEMICALS

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