

PRODUCT IDENTITY

PRODUCT NAME	Acetonitrile(ACN)	PRODUCT NUMBER	A433532
Grades & Purity	UltraPureChrom™, for UHPLC-MS	VERSION	3
CAS NUMBER	75-05-8	FORMULA	CH ₃ CN
FORMULA WEIGHT	41.05g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Purity(GC)	99.9-100 (%)
Infrared spectrum	Conforms to Structure
UV Absorbance 195nm	0-97 (mAU)
UV Absorbance 200nm	0-22 (mAU)
UV Absorbance 210nm	0-13 (mAU)
UV Absorbance 220nm	0-9 (mAU)
UV Absorbance 230nm	0-4 (mAU)
Transmission 200 nm	95-100 (%)
Transmission 220 nm	98-100 (%)
Transmission 230 nm	99-100 (%)

PARAMETER	SPECIFICATION / LIMIT
UHPLC-MS test ESI+ (Reserpin)	0-5 (ppb)
UHPLC-MS test ESI- (Digoxin)	0-20 (ppb)
Density(20°C/4°C)	0.779-0.783 (g/ml)
Water by Karl Fischer	0-0.01 (%)
Acidity	0-0.0002 (mg/g)
Iron(Fe)	0-0.02 (ppm)
Calcium(Ca)	0-0.1 (ppm)
Lead(Pb)	0-0.1 (ppm)
Barium(Ba)	0-0.02 (ppm)
Aluminum(Al)	0-0.05 (ppm)
Sodium(Na)	0-0.1 (ppm)
Nickel(Ni)	0-0.02 (ppm)
Cadmium(Cd)	0-0.02 (ppm)
Manganese(Mn)	0-0.02 (ppm)
Potassium(K)	0-0.1 (ppm)
Zinc(Zn)	0-0.1 (ppm)
Copper(Cu)	0-0.02 (ppm)

PARAMETER	SPECIFICATION / LIMIT
Chromium(Cr)	0-0.02 (ppm)
Cobalt (Co)	0-0.02 (ppm)
Silver(Ag)	0-0.1 (ppm)