

AC0319 Acetone, 99,8%, anhydrous (max. 0,005% H<sub>2</sub>O)



assay (G.C.) . . . . . min. 99,8 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 0,787 - 0,791  
 appearance of solution . . . . . passes test  
 colour (Hazen) . . . . . max. 10  
 solubility in water . . . . . passes test  
 insoluble in water . . . . . passes test  
 acidity . . . . . max. 0,0002 meq/g  
 alkalinity . . . . . max. 0,0002 meq/g  
 chlorides (Cl) . . . . . max. 0,00001 %  
 nitrates (NO<sub>3</sub>) . . . . . max. 0,00001 %  
 phosphates (as PO<sub>4</sub>) . . . . . max. 0,00001 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,00001 %  
 aluminium (Al) . . . . . max. 0,5 ppm  
 antimony (Sb) . . . . . max. 0,02 ppm  
 arsenic (As) . . . . . max. 0,02 ppm  
 barium (Ba) . . . . . max. 0,1 ppm  
 beryllium (Be) . . . . . max. 0,02 ppm  
 bismuth (Bi) . . . . . max. 0,02 ppm  
 boron (B) . . . . . max. 0,02 ppm  
 cadmium (Cd) . . . . . max. 0,05 ppm  
 calcium (Ca) . . . . . max. 0,5 ppm  
 chromium (Cr) . . . . . max. 0,02 ppm  
 cobalt (Co) . . . . . max. 0,02 ppm  
 copper (Cu) . . . . . max. 0,02 ppm  
 gallium (Ga) . . . . . max. 0,02 ppm  
 germanium (Ge) . . . . . max. 0,02 ppm

gold (Au) . . . . . max. 0,02 ppm  
 indium (In) . . . . . max. 0,02 ppm  
 iron (Fe) . . . . . max. 0,1 ppm  
 lead (Pb) . . . . . max. 0,1 ppm  
 lithium (Li) . . . . . max. 0,05 ppm  
 magnesium (Mg) . . . . . max. 0,1 ppm  
 manganese (Mn) . . . . . max. 0,02 ppm  
 molybdenum (Mo) . . . . . max. 0,02 ppm  
 nickel (Ni) . . . . . max. 0,02 ppm  
 silver (Ag) . . . . . max. 0,02 ppm  
 thallium (Tl) . . . . . max. 0,02 ppm  
 tin (Sn) . . . . . max. 0,1 ppm  
 titanium (Ti) . . . . . max. 0,02 ppm  
 vanadium (V) . . . . . max. 0,02 ppm  
 zinc (Zn) . . . . . max. 0,1 ppm  
 zirconium (Zr) . . . . . max. 0,02 ppm  
 aldehydes (as HCHO) . . . . . max. 0,002 %  
 cyclohexane (G.C.) . . . . . max. 0,1 %  
 alcohol/acetone (G.C.) . . . . . max. 0,02 %  
 ethanol (G.C.) . . . . . max. 0,01 %  
 methanol (G.C.) . . . . . max. 0,05 %  
 2-propanol (G.C.) . . . . . max. 0,05 %  
 heavy metals (as Pb) . . . . . max. 2 ppm  
 reducing substances . . . . . passes test  
 residue on evaporation . . . . . max. 0,0005 %  
 water (K.F.) . . . . . max. 0,005 %

ART. NO.	VOLUME	CONTAINER
AC03190500	500 ml	
AC03191000	1 l	

AC0293 Acetone, GC-MS



assay (G.C.) . . . . . min. 99,8 %  
 colour (Hazen) . . . . . max. 10  
 identity (IR-spectrum) . . . . . passes test  
 residue on evaporation . . . . . max. 3 ppm  
 water (K.F.) . . . . . max. 0,2 %

GC/MSD (retention range n-undecane to n-tetracontane, scanning area 30 - 600 amu, individual signals (n-tetradecane standard) . . . . . max. 3,0 ng/ml (ppb)  
 Suitable for residue analysis

ART. NO.	VOLUME	CONTAINER
AC02931000	1 l	
AC02932500	2,5 l	

AC0320 Acetone, VLSI grade



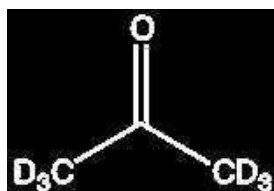
assay (G.C.) . . . . . min. 99,5 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 0,787 - 0,791  
 resistivity . . . . . min. 5 MΩ·cm  
 acidity . . . . . max. 0,0003 meq/g  
 alkalinity . . . . . max. 0,0006 meq/g  
 chlorides (Cl) . . . . . max. 0,0001 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,0001 %  
 copper (Cu) . . . . . max 0,01 ppm  
 iron (Fe) . . . . . max 0,01 ppm  
 lead (Pb) . . . . . max 0,01 ppm

magnesium (Mg) . . . . . max. 0,1 ppm  
 manganese (Mn) . . . . . max 0,01 ppm  
 nickel (Ni) . . . . . max 0,01 ppm  
 zinc (Zn) . . . . . max 0,01 ppm  
 aldehydes (as HCHO) . . . . . max. 0,0002 %  
 ethanol (G.C.) . . . . . max. 0,01 %  
 methanol (G.C.) . . . . . max. 0,05 %  
 2-propanol (G.C.) . . . . . max. 0,05 %  
 substances reducing KMnO<sub>4</sub> . . . . . passes test  
 residue on evaporation . . . . . max. 0,0005 %  
 water (K.F.) . . . . . max. 0,1 %

ART. NO.	VOLUME	CONTAINER
AC0320005P	5 l	

**ACETONE-D<sub>6</sub>**

AC0322 Acetone-d<sub>6</sub>, deuteration degree min. 99,8%, NMR spectroscopy grade, Spectrosol®



- Synonyms: Hexadeuteroacetone
- C<sub>3</sub>D<sub>6</sub>O
- M = 64,12 g/mol
- CAS [666-52-4]
- EINECS-No.: 211-563-9
- Density: 0,87 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -95,4 °C
- Boiling point: 56 °C
- Flash pt. < -20 °C
- Ignition temp.: 540 °C
- Vapour pressure: (20 °C) 233 hPa
- Dielectric const.: (25 °C) 20,7
- LD 50 (oral, rat): 5800 mg/kg
- EC-Index-No.: 606-001-00-8
- ADR: 3 F1 II UN 1090
- IMDG: 3 II UN 1090
- IATA/ICAO: 3 II UN 1090
- GHS-signal word: Danger
- GHS-H sentences: H225 - H319 - H336 - EUH066
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2845 90 10 00
- Applications: for nuclear magnetic resonance spectroscopy.

deuteration degree . . . . . min. 99,8 %  
 water (K.F., H<sub>2</sub>O + D<sub>2</sub>O) . . . . . max. 0,03 %  
 performance test (NMR-spectrum) . . . . . passes test

ART. NO.	VOLUME	CONTAINER
AC03220010	10 ml	