

Volume correction factors to 15 °C for isopropyl alcohol (anhydrous)								
Temperature °C	Density (kg/m ³)	Volume correction factor	Temperature °C	Density (kg/m ³)	Volume correction factor	Temperature °C	Density (kg/m ³)	Volume correction factor
-9	808.0	1.0239	14.5	789.6	1.0005	38	769.6	0.9752
-8.5	807.7	1.0234	15	789.2	1.0000	38.5	769.1	0.9746
-8	807.3	1.0230	15.5	788.8	0.9995	39	768.7	0.9740
-7.5	806.9	1.0225	16	788.3	0.9990	39.5	768.2	0.9735
-7	806.5	1.0220	16.5	787.9	0.9984	40	767.8	0.9729

Cubical coefficient of expansion at 15 °C = 0.001 016 per °C

To obtain the net volume of liquid at 15 °C, multiply the uncompensated meter reading by the volume correction factor (VCF) which corresponds to the average measured temperature of the liquid during the delivery.

Densities are mass (in vacuum) and are based on specification grade isopropyl alcohol whose mass density is 785.027 kg/m³ at 20 °C. Volume correction factor data was derived using the equation in Table 4 of ASTM E 201-70.

Table last updated: September 2016