

AGent Sales Industrial & Mining

Sucrose

Sucrose is a non-toxic and non-hazardous carbohydrate that assists in the denitrification process in wastewater treatment plants. Sucrose provides a carbon source that is readily available to the facultative heterotrophic bacteria that biologically reduce nitrate (NO₃) to nitrogen gas (N₂). The sucrose solution supplied is a very low colour variant designed for optimal operation with UV treatment of treatment plant discharge waters.

Specification

Description	Typical	Unit
Appearance	Clear liquid, virtually colourless to pale yellow	
Characteristic	Free-flowing at room temperature	
Density @25°C	1.31 – 1.34	g/mL
pH	6.0 – 8.0	
° Brix	67	
Colour (Apparent)	760	PtCo
Turbidity	5	NTU

Density and viscosity of sucrose varies with temperature and Brix. The table below gives the densities and viscosities for 67°Brix Sucrose at varying temperatures

Temperature (°C)	0	10	20	30	40	50	60	70
Density (g/L)	1338	1334	1329	1324	1318	1312	1306	1300
Viscosity (cP)	1355	514	229	115	63	38	24	16

Appropriate measures to minimise atmospheric microbial contamination should be taken as Sucrose solution can be subject to microbial deterioration. Storage life depends on storage conditions and cleaning procedures. Exposure to extended periods of cold temperatures could lead to crystallisation.

Supplied as Sucrose 64-67% solution

Packaging: 1000L IBC