



R&D

HEAT TRANSFER & FLUID FLOW**HTF 0025
REV 00**

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TECHNICAL SPECIFICATION FOR NYCOSOL-51**1.0 Purpose of specification:**

This document defines the technical specification of the Nycosol-51 Liquid.

2.0 Technical requirements and Scope of supply

Table 1: Technical Requirements

Sl. No.	Scope of supply	Technical Requirements
1	Nycosol-51	Specification No.: TU 113-07-02-88 (Ref. Table 2), 60-67% Ethylene glycol & 40-33% Water with necessary corrosion inhibitors
2	Certificate of Analysis	Certificate of Analysis given by OEM shall be provided as per Table 2 and Data sheet should be provided
3	Authorization Certificate (if the vendor is not OEM)	Vendor should be an authorized distributor and shall submit valid authorization certificate from OEM along with technical bid
4	Shelf life	Shelf life start date should be preferably from the date of dispatch and not more than 1 month before dispatch date
5	COC	Certificate of conformity should be provided
6	Warranty	12 months

Table 2: Characteristics of Nycosol – 51 as per TU 113-07-02-88

Characteristic	Unit	Result	Limit	Test method
Appearance	-	Conform	Clear, homogenous	Visual examination
Color	-	Conform	Yellow	Visual examination
Density at 20°C	Kg/m ³	1.094	1.085 – 1.100	ISO 12185
Pour point	°C	Conform	Max. -65	ISO 3016
pH value (33% vol. %)	-	8.8	8.2 to 10.5	Potentiometry
Foaming at 24 °C	-	0/0	Max, 15/0	ISO6247

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DATE: 08-12-2022

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3.0 Record of Revision

REV.NO.	DATE	REVISION DETAILS	REVISED	APPROVED
00	08-12-2022	New Specification	B SIREESHA	G.R.RAO

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