



Product Specification

LIQUID NITROGEN (LN₂) , refrigerated liquid

General Characteristics: A colorless, non-flammable, liquefied and odorless gas.

Health Hazards: A simple asphyxiant.

Gas Grade/Purity	Cylinder Size	Contents	Product Code
Ultra High Purity Min. Purity: 99.9995% H ₂ O < 2 ppm O ₂ < 3 ppm THC < 0.5 ppm	180 L Liquid Gas Container (LGC)	160 kg	LN25N5180LGC
Instrumental Min. Purity: 99.995% H ₂ O < 3 ppm O ₂ < 5 ppm THC < 1 ppm	180 L Liquid Gas Container (LGC)	160 kg	LN24N5180LGC
Instrumental Min. Purity: 99.995% By Speed Liquid Nitrogen Delivery H ₂ O < 3 ppm O ₂ < 5 ppm THC < 1 ppm	10 L Dewar	1 L to 10 L	LN24N51

Cylinder Specification

Cylinder Size	Cylinder Dimension Diameter x Height	Connection	Content
180 L	60 cm x 130 cm approx.	CGA 580	Net content : 160 kg Pressure@70°F: 350 psig Refrigerated Liquid
180 L	60 cm x 130 cm approx.	NPT 3/8 F	Net content : 160 kg Pressure@70°F: 350 psig Refrigerated Liquid
10 L Dewar	40 cm x 80 cm approx.	Bottle Neck 5 cm	Net content : 8 kg Pressure@70°F: 0 psig Refrigerated Liquid

Technical Information

Molecular Weight	28.01	Dot Name	Nitrogen
Specific Volume	13.8CF/lb	UN No.	UN1066
Fire Potential	Non-flammable	Dot Class	2.2
TLV-TWA	None established	Dot Label.....	Non-flammable Gas
CGA Valve	580, 3HP-677, 2HP-680	Cas Registry	7727-37-9
LB	180		