

## Certificate of Analysis (COA)

**Customer Name:** Praxair Distribution Inc.

**Date:** March 23 th, 2018

**COA ID:** 0928

**Shipping Container:** 63273

**Product:** Nitrous Oxide USP Medical Gas

**Pharmaceutical form:** Medicinal gas

**Purity:** 99,0 cmol / mol Min.

**DUNS:** 812953909

**Expiration date:** March 23 th, 2020

**FDA Establishment Identifier:** 3012518051

**Batch Number:** TCM-N2O-MED-002-18

The product described in this document meets the requirements of the United States Pharmacopeia 39th edition 2016, Mexican United States Pharmacopeia, 11th edition 2014, Praxair México, S. de R.L. de C.V. and Praxair Distribution Inc.

Component	Specification	Test procedure	Result
Nitrous Oxide Purity	Min. 99,0 cmol / mol	Gas Chromatograph	99.84 cmol/mol
Carbon Monoxide	Max. 5.0 µmol / mol	Detector tube	< 5 µmol / mol
Carbon Dioxide	Max. 300.0 µmol / mol	Detector tube	< 300 µmol / mol
Nitric Oxide	Max. 1.0 µmol / mol	Detector tube	< 1 µmol / mol
Nitrogen Dioxide	Max. 1.0 µmol / mol	Detector tube	< 1 µmol / mol
Ammonia	Max. 25.0 µmol / mol	Detector tube	< 25 µmol / mol
Halogens (Chlorine)	Max. 1.0 µmol / mol	Detector tube	< 1 µmol / mol
Moisture	Max. 100.0 ppm	Detector tube Capacitance	< 100 ppm
Air	Max. 1.0 cmol / mol	Gas Chromatograph	0.16 cmol/mol
Identity	Positive	Gas Chromatograph	Positive

La concentración está expresada en unidades del Sistema Internacional. La unidad µmol / mol es equivalente a ppm y cmol / mol es equivalente a %mol / mol.  
The concentration is expressed in units of the International System. The unit µmol / mol are equivalent to ppm and cmol / mol are equivalent to %mol / mol.

**Compliance with requirements:** Yes ☒ No ☐

**Reviewer's Signature:**



**QI. MYRNA VERONICA CRUZ MARTÍNEZ**  
Quality Control Responsible.