

USP/NF Nitrogen (N₂) Analysis Report

Client Contact Information

AAL Number:
Received On:
Report Date:
PO Number:

Sample ID. : Nitrogen - Building #__, Room #__, Port # __
Sample ID. : Lot # _____, Received in 1L AAL Cylinder # _____

Sampled On:
Sampled By:

NF 24 Nitrogen Report of Analysis:

| <u>Test</u> | <u>Specification</u> | <u>Result</u> |
|---------------------------------|--|---------------|
| Identification (splinter test): | Extinguishes Flame | Pass |
| Odor: | No Appreciable Odor Discernible | Pass |
| Carbon Monoxide: | Less Than 0.001% detected | Pass |
| Limit of Oxygen: | Less Than 1.0% detected | Pass |
| Assay: | Not Less Than 99.0%, by volume, Nitrogen | Pass, 99.95% |

- Comments:**
1. This sample meets NF 24 Specifications for Nitrogen.
 2. Testing performed in accordance with AAL SRM 4002.3-C-M, Rev. 3, 01/31/2006.
 3. Limit of Oxygen and Assay performed in accordance with AAL SRM 1002.5-V, Rev. 5, 05/23/2006. ”
“Determination of % Oxygen and Assay % Nitrogen in NF Grade Nitrogen by GC/TCD”.
 4. Reference Gas: Airgas UHP Grade Nitrogen 99.999% Pure, 0.8 ppm Oxygen,
Cylinder No. 4900259, Lot No. 38-116842349-1.
 5. Gastec[®] CO Detector Tube No. 1LK QC Lot # 51212, Exp. Date: May 2008.

Units and Measures:

D.L. = report detection limit. **NMT** = not more than the amount indicated. **nd** = indicates the concentration is less than the report detection limit. **na** = not applicable. **np** = information not provided or available. **G.T.** = greater than amount specified. **L.T.** = less than the concentration indicated. **--** = test not performed. **%** = percent. **ppm** = parts per million. **ppb** = parts per billion. **v/v** = volume analyte/volume sample. **w/w** = weight analyte/weight sample. **Unit Conversions:** 0.0001% = 1 ppm.

Comments:

Approved by,

Data Reviewed by,

Ralph J. Ciotti
Lab Manager

Date

John W. Leatherdale, PE
Director - Quality

Date

Attachments: