

# 北京金星环宇化工产品有限公司

BEIJING TARGET CHEMICALS CO., LTD.

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## TEST REPORT

|                             |   |                               |
|-----------------------------|---|-------------------------------|
| DATE OF REPORT              | : | 2019-3-8                      |
| BUYER'S NAME                | : | TABRID MOHASEB BAZARGANI GRAM |
| PROFORMA INVOICE NO. & DATE | : | AMII90105/2019-1-31           |
| DESCRIPTION OF GOODS        | : | R410A                         |
| Batch No.                   | : | 031903080111                  |
| Volume                      | : | 11.3 Kg                       |
| APPLICABLE STANDARD NO.     | : | AHRI 700                      |

Table 2A. Zeotropic Blends (400 Series Refrigerants) and their Allowable Levels of Contaminants (continued)

|                                        | Reporting Units            | Reference Section | R-410A                  | Result         | Pass/Fail |
|----------------------------------------|----------------------------|-------------------|-------------------------|----------------|-----------|
| <b>CHARACTERISTICS :</b>               |                            |                   |                         |                |           |
| Refrigerant Component s                | N/A                        | N/A               | R-32/R125               | R-32/R125      | Passed    |
| Nominal Composition                    | % by weight                | N/A               | 50/50                   | 50/50          | Passed    |
| Allowable Composition                  | % by weight                | N/A               | 48.5-50.5<br>/49.5-51.5 | 49.77/50.21    | Passed    |
| Bubble Point <sup>1</sup>              | °C @ 101.3 kPa             | N/A               | -51.4                   | N/A            | N/A       |
| Dew Point <sup>1</sup>                 | °C @ 101.3 kPa             | N/A               | -51.4                   | N/A            | N/A       |
| Critical Temperature <sup>1</sup>      | °C                         | N/A               | 71.4                    | N/A            | N/A       |
| <b>VAPOR PHASE CONTAMINANTS :</b>      |                            |                   |                         |                |           |
| Air and Other Non-condensable, Maximum | % by volume @ 25.0°C       | 5.10              | 1.5                     | 0.68           | Passed    |
| <b>LIQUID PHASE CONTAMINANTS:</b>      |                            |                   |                         |                |           |
| Water, Maximum                         | ppm by weight              | 5.4               | 10                      | 6              | Passed    |
| All Other Volatile Impurities, Maximum | % by weight                | 5.11              | 0.5                     | 0.01           | Passed    |
| High Boiling Residue, Maximum          | % by volume or % by weight | 5.8               | 0.01                    | 0.0005         | Passed    |
| Particulates / Solids                  | Pass or Fail               | 5.9               | Visually clean          | Visually clean | Passed    |
| Acidity, Maximum                       | ppm by weight (as HCl)     | 5.7               | 1                       | 0.00001        | Passed    |
| Chloride <sup>2</sup>                  | Pass or Fail               | 5.6               | No visible turbidity    | No visible     | Passed    |

Notes:

- Bubble points, dew point and critical temperature, although not required, are provided for informational purposes. Refrigerant data compiled from Table 9.1.
  - Recognized chloride levels pass/fail is about 3 ppm.
- N/A Not Applicable

REVIEWED  
RELEASED  
DATE  
INSPECTOR: *Yan chenglong*

BEIJING TARGET CHEMICALS CO., LTD.  
北京金星环宇化工产品有限公司  
**王振青**  
Authorized Signature(s)

