



## Product sheet base product Argon 4.8 Spectro

|              |                                |
|--------------|--------------------------------|
| Product name | base product Argon 4.8 Spectro |
| Purity       | 99,998 %                       |
| Properties   | see safety data sheet          |

| Minor components | Maximum values |
|------------------|----------------|
| Nitrogen         | 10,0 vol. ppm  |
| Oxygen           | 3,0 vol. ppm   |
| Moisture         | 5,0 vol. ppm   |
| Hydrocarbons     | 1,0 vol. ppm   |

| Physical data     |  |  |
|-------------------|--|--|
| operating figures | Molar mass                                       | 39,95 g mol <sup>-1</sup>                                |
| Liquid State      | Boiling Point                                    | 87,29 (-185,9) K (°C)                                    |
|                   | Heat of Evaporation                              | 160,81 kJ kg <sup>-1</sup>                               |
|                   | Liquid Density                                   | 1392,8 kg m <sup>-3</sup>                                |
| Gas State         | Thermal Conductivity (at 288.15 K and 1.013 bar) | 0,0160 J s <sup>-1</sup> m <sup>-1</sup> K <sup>-1</sup> |
|                   | Density Ratio to Air (at 288.15 K and 1.013 bar) | 1,38   |
|                   | Specific heat (at 298.15 K and 1.013 bar)        | 0,52 kJ kg <sup>-1</sup> K <sup>-1</sup>                 |
|                   | Density (at 273.15 K and 1.013 bar)              | 1,78 kg m <sup>-3</sup>                                  |
| Critical Point    | Temperature                                      | 150,86 (-122,3) K (°C)                                   |
|                   | density  | 537,7 kg m <sup>-3</sup>                                 |
|                   | Pressure   | 48,98 bar  |
| Triple Point      | Temperature                                      | 83,8 (-189,4) K (°C)                                     |
|                   | Vapour Pressure                                  | 0,687 bar  |
|                   | Heat of Fusion                                   | 29,3 kJ kg <sup>-1</sup>                                 |

All mentioned data, values and notes correspond to actual state of knowledge on the date of printing. They make no claim to be correct or complete and therefore do not release the user from his obligation to check them.

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