

Letter of Confirmation

Tightness against ingress of N_2 in a saturated nitrogen-cold gas atmosphere

Products: SBS 96 GEN3: SX300 GEN3, MX500 GEN3, LX1000 GEN3

SBS 48 GEN3: XLX2000 GEN3

Article No.: 4C1-X03-xx-xx-x; 4C-X03-xx-xx-x;

4C1-X05-xx-xx-x-x; 4C-X05- xx-xx-x-x; 4C1-X10-xx-xx-x-x; 4C-X10-xx-xx-x-x; 4C1-X20A-xx-xx-x-x; 4C-X20A-xx-xx-x-x;

These products passed the test related to the tightness of cryotubes against the ingress of nitrogen in a saturated nitrogen-cold gas atmosphere.

The test is performed as a defined incubation of tubes, filled with inert gas, in an LN2 tank under nitrogen cold gas within a temperature range between -150°C to -196°C for an incubation period of 24, 72 and 168 hours to simulate storing conditions.

Measurements are conducted using a gas chromatograph equipped with a thermal conductivity detector and analyzed through a carboxen column.

All tested 2D SAFE® Tubes (cryo vials) passed the test without any leakage or gas permeation under cryogenic conditions.

Disclaimer:

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Please note that this confirmation expires after 12 months or in case of regulatory changes.

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LVL technologies GmbH & Co. KG Theodor-Storm-Str. 17 74564 Crailsheim, Germany