Technical Evaluation of: Tender NO. NC-000411-PH1705-18-19 for Double tilt liquid N2 sample holder for TEM

LN2 Holder	1
Spec	GATAN INC
Supply of Double Tilt Liquid Nitrogen Cooling Holder with following specifications, for use with JeolJEMF200 (TF-UHR) microscope :- - Minimum operating temperature: -170 °C or lower - LN2 Dewar capacity : 175 mL or higher - Dewar Hold time at min. temp. : 3.5 – 4 hours or better - Tilt angle range: α-tilt : 13 degor higher, β-tilt : 6 degor higher - Drift rate at 0°tilt : 1.5 nm/min or less - Resolution at 0°tilt : 0.34 nm or better - Capacity to hold 1 grid of 3 mm dia and max thickness of 100 μm - Specimen securing: Hexring mechanism -The Holder should have a built-in bubble-free LN2 dewar. Precise temperature control of specimen should be achieved through a conductor rod connecting the specimen holder to the LN2 dewar containing an electric heater to change specimen temp. The heater should also able to heat the sample minimum up to 120 °C. -Very good thermal contact between specimen and beryllium specimen cradle should be developed by using Hexring mechanism and anti-twist washer.	**Qualified.** All the points mentioned in the technical specification are accepted by Gatan Inc.

Gatan Inc comply with all the technical specification for the above mentioned item. Therefore, they technically qualify for the financial bid opening.

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