

Question

1. Are there on-site personnel requirements?

Answer

No. None for this effort (RFP).

Question

2. Can we have those requirement?

Answer

See answer for question No. 1.

Question

3. Do we have the option of providing qualified personnel on-site?

Answer

No personnel required for this effort (RFP). However, as a management approach, it is your option to provide personnel.

Question

4. Exhibit 1, Line 1: Does not refer to a container. Is there an existing LN2 tank on site for this gas?

Answer

Yes. Tank-19 is a 500-gallon high-pressure nitrogen tank with an NI-150 fill connector fitting.

Question

5. Exhibit 2, Line 5: What is the CGA size? 2) Is this an A size cylinder? 3) Any impurity specs?

Answer

Delete Exhibit II in its entirety and replace with Exhibit IIA.

Question

6. Line 6: 1) Is this correct, 50ppm H₂O? This amount is too small to control, and is temperature dependent. 2) If correct, can we get the name of the current supplier?

Answer

50 ppm is correct. The current supplier is Air Products. *Delete Exhibit II in its entirety and replace with Exhibit IIA.*

Question

7. Line 10: Is this a six-pack of material

Answer

Yes. It is a 6-pack.

Question

8. Line 20: Need the concentration or tolerances for this material.

Answer

This would be for Hydrogen in Argon mixes. Base purity for each component is 99.999%. The amount of Hydrogen in Argon ranging from 0.1% to 50%. We currently list 3%, 7%, and 12% mixes in the catalog.

Question

9. Line 25: Need the valve and cylinder sizes.

Answer

Air Products size "B" (nominal 9" x 51") cylinder with CGA 320 valve for this size cylinder. *Delete Exhibit II in it's entirety and replace with Exhibit IIA.*

Question

10. Line 27: Product is unclear, no gas listed.

Answer

Line 27 is a Certificate of Analysis for any cylinder that could be ordered from the catalog?

Question

11. Line 29: Need cylinder size.

Answer

Air Products size "4X" (nominal 4" x 13") cylinder.

Question

12. Line 30: Need the grade and purity specs.

Answer

Semiconductor/Electronic Grade 2.0 or 99% purity.

Question

13. Line 31: Need the grade and purity specs.

Answer

Semiconductor/Electronic Grade 3.0 or 99.9% purity.

Question

14. Lines 39 through 41: Tolerance is not specific, range of 0.1 - 50% indicated. Can we get a more specific requirement?

Answer

The specification requirement for Lines 39 through 41 is 5% each with the balance Helium.

Question

15. Line 46: Need package size

Answer

Air Products size "D" cylinder (nominal 4" x 17").

Question

16. Line 49: Need package size

Answer

Air Products size "A" cylinder (nominal 9" x 55”).

Question

17. Line 51: Is this a laser mix?

Answer

Yes. Should read "Laser Mix". *Delete Exhibit II in its entirety and replace with Exhibit IIA.*

Question

18. Line 67: Need to know what research means, is this a size?

Answer

No. Research refers to a grade of 99.9995% purity. Air Products size "B" cylinder (nominal 9" x 51”).

Question

19. Lines 71 through 73: Need to know what does Oxygen Zero means.

Answer

“Zero Grade” or “Ultra High Purity”. Used to set zero or span on analyzers for calibration.

Question

20. Line 80: Need concentration.

Answer

Delete Exhibit II in its entirety and replace with Exhibit IIA.

Question

21. Lines 83,84: Need package sizes.

Answer

Line 83: Air Products size "D" cylinder (nominal 4" x 17"). Line 84-size "4X" cylinder (nominal 4" x 10").

Question

22. Line 85 - Need the grade definition and cylinder size.

Answer

Propulsion grade is 99.9995% purity. Air Products size "B" cylinder (nominal 9" x 51").

Question

23. Ref: Exhibit 9 "Product Identification Guidelines": The JPL specification states that, "JPL prefers the product be identified in one of the following manners:...", and refers to the UPC format.

23.1. Are there alternatives available so that Scott can uniquely define our part numbers without conforming to the UPC format?

Answer

Yes, but we prefer the use of guidelines in Exhibit IX.

23.2. Can we establish a unique set of product codes along with JPL to meet these requirements?

Answer

Yes, but we prefer the use of guidelines in Exhibit IX.