
Revision 0

David Star
L.J. Star Incorporated
2396 Edison Boulevard
Twinsburg, OH 44087

Request: COM06-I-1572
Project: 9250.001
PO#: 00001308
Received: 07/14/06
Completed: 08/11/06

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<u>Sample No.</u>	<u>Sample Description</u>	<u>Sample Identification</u>
061572-01	Glass/Metal Ports	Sample #1: Metaglas Borosilicate Glass (Schott Suprax 8488, DIN 7080)
061572-02	Glass/Metal Ports	Sample #2: Metaglas Soda Lime Glass (Schott B270 Superwite, DIN 8902)
061572-03	Glass/Metal Ports	Sample #3: FuseView BoroPlus

The samples were cut by the customer and photographed as received. As glass was broken from the steel rings for testing an effort was made not to include glass from the glass/steel interface which had a green material. Due to the size of the pieces in sample 061572-01 some of the green material may have been included with the glass tested.

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Chemical Resistance of Glass Containers per US Pharmacopoeia

	mL 0.020 N H ₂ SO ₄	Glass Type
Glass/Metal Ports Sample #1: Metaglas Borosilicate Glass (Schott Suprax 8488, DIN 7080) 061572-01	0.33	I
Glass/Metal Ports Sample #2: Metaglas Soda Lime Glass (Schott B270 Superwite, DIN 8902) 061572-02	4.98	III
Glass/Metal Ports Sample #3: Fuse-View BoroPlus 061572-03	8.98	NP
NIST 623 (0.34 ± 0.05)	0.39	
NIST 622 (7.67 ± 0.38)	7.69	

The above samples were tested for chemical resistance according to USP 29 <661>, "Powdered Glass Test." NIST 622 SRM and NIST 623 SRM were analyzed along with the samples listed above as a quality assurance standard. The results obtained are within the specification for the glass type listed above.

NP indicates for non parenteral use.

Analysis of Glass Metal Ports

	% B ₂ O ₃
Sample #1: Metaglas Borosilicate Glass (Schott Suprax 8488, DIN 7080) 061572-01	11.6
Sample #3: Fuse-View BoroPlus 061572-03	<0.1

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Photographs are attached.

Reference(s):

IN170/28, 32

Method Summary:

B₂O₃: Volumetric as Manitol complex (AM-I-0020 Rev.1)

IN171/44

Prepared By:

Date:

Reviewed/Approved By:

Date:


Neal T. Nichols

08/11/06


Brian D. Mitchell

08/11/06

Thank you for using WEST MONARCH Analytical Laboratories.

Photographs



061572-01



061572-02



061572-03



061572-03