



NIOSH Reference: TN-16942
Mfr. Reference: GER000290

Centers for Disease Control
and Prevention (CDC)
National Institute for Occupational
Safety and Health (NIOSH)
National Personal Protective
Technology Laboratory (NPPTL)
P.O. Box 18070
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May 14, 2010

Mr. Robert Brunell
Quality Control Manager
Louis M. Gerson Company, Inc.
16 Commerce Boulevard
Middleboro, Massachusetts 02346

Dear Mr. Brunell:

The National Institute for Occupational Safety and Health (NIOSH) has reviewed your request dated April 1, 2010. This request was for an extension of approval to TC-84A-0383 to add a private label version of the model 1840 R95 filtering facepiece air purifying respirator with exhalation valve for Libus of Buenos Aires, Argentina, under the same model number 1840, reference assembly matrix prbb51B24AM24.xls.

This request is granted. Approvals are granted only for documentation written in the English language. It is the manufacturer's responsibility to correctly translate materials desired in languages other than English.

The CD enclosed with this letter contains the final respirator approval label. The abbreviated label has been accepted as submitted. The cautions and limitations which apply to this approval are on the approval label. Only those assemblies affected by this request, or where new approval numbers are assigned, apply to this approval action. Production approval labels cannot include information on unapproved configurations.

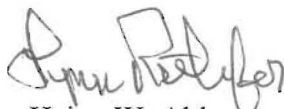
The approved assembly consists of the parts as listed on the approval label and the assembly matrix. Parts are to be marked with the numbers indicated on the approval label in a legible and permanent manner (marking cannot be removed without evidence of its previous presence).

The manufacturer is responsible for properly packaging, labeling, and controlling the respirators produced under this private label approval. At a minimum, the items that must be controlled are the approved user instructions, all approval labeling, all approved packaging, use claims, marketing materials, and the respirator design and construction details. Any change to these NIOSH-approved respirators or approval documentation without prior notification and approval is a violation of this approval and renders this certification as invalid.

Page 2 – Mr. Robert Brunell – TN-16942

No changes may be made to any respirator and accompanying documentation without prior written approval of NIOSH. Requests for changes must be submitted to NIOSH and a modification of this approval must be granted before changes are made.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Heinz W. Ahlers". The signature is written in a cursive style with some capital letters.

Heinz W. Ahlers
Chief, Technology Evaluation Branch
National Personal Protective Technology Laboratory

Enclosures



TEST REPORT

Task Number: TN-16942

Manufacturer: Louis M. Gerson Company, Inc.

Prepared by: Jeremy J. Brannen

Tests Conducted by: Jeremy J. Brannen

Date: April 24, 2010

Respirator Tested: 1840 R95

Background Information

In an application dated April 1, 2010 Louis M. Gerson Company requested an extension of approval to TC-84A-0383 to add a private label version of the model 1840 R95 filtering facepiece air purifying respirator with exhalation valve for Libus of Buenos Aires, Argentina, under the same model number 1840, reference assembly matrix prbb51B24AM24.xls.

Tests Assigned

Test Description	STP Number	Reference
A. Exhalation Resistance Test	RCT-APR-STP-0003	84.180
B. Exhalation Valve Leakage Test	TEB-APR-STP-0004	84.182
C. Inhalation Resistance Test	TEB-APR-STP-0007	84.180
D. DOP R95 Test	TEB-APR-STP-0051	84.181

Overall Results

The items tested passed laboratory testing.

Individual Test Results

See attached test data sheets.

**National Institute for Occupational Safety and Health
Respirator Branch
Test Data Sheet**



Task Number: TN-16942

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Louis M. Gerson Company, Inc.

Filter Type: Filter Only

Item Tested: 1840

Sample	Maximum Allowable Resistance (MM of H ₂ O)	Actual Resistance (MM of H ₂ O)	Result
	Exhalation	Exhalation	
1	25	7.9	PASS
2	25	7.9	PASS
3	25	7.9	PASS

Overall Result: PASS

Comments:

Was all equipment verified to be in calibration throughout all testing? Yes No

Signature:

Engineering Technician

Date: 4/24/2010

Task Number: TN-16942

Reference No.: CFR 84.182

Test: Exhalation Valve Leakage Test

STP No.: 4

Manufacturer: Louis M. Gerson Company, Inc.

Item Tested: 1840 Exhalation Valve

Comments:

Was all equipment verified to be in calibration throughout all testing?

Yes

No

Signature:



Engineering Technician

Date: 4/24/2010

**National Institute for Occupational Safety and Health
Respirator Branch
Test Data Sheet**



Task Number: TN-16942

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Louis M. Gerson Company, Inc.

Item Tested: 1840

Filter Type: Filter Only

Sample	Maximum Allowable Resistance (MM of H ₂ O)	Actual Resistance (MM of H ₂ O)	Result
	Inhalation	Inhalation	
1	35	17.5	PASS
2	35	17.5	PASS
3	35	17.5	PASS

Overall Result: PASS

Signature:

Engineering Technician

Date: 4/24/2010

Task Number: TN-16942

Reference No.: CFR 84.180

Test: Inhalation Resistance Test

STP No.: 7

Manufacturer: Louis M. Gerson Company, Inc.

Item Tested: 1840

Comments:

Was all equipment verified to be in calibration throughout all testing?

Yes

No

Signature:



Engineering Technician

Date: 4/24/2010

National Institute for Occupational Safety and Health
Respirator Branch
Test Data Sheet



Task Number: TN-16942

Reference No.: CFR 84.181

Test: Dioctyl Phthalate (DOP) - R95

STP No.: 56

Manufacturer: Louis M. Gerson Company, Inc.

Item Tested: 1840

Filter	Flow Rate	Initial Filter Resistance	Maximum Allowable Percent Leakage	Initial Percent Leakage	Maximum Percent Leakage	Result
1	85	18.9	5.00	0.001	0.025	PASS
2	85	19.7	5.00	0.040	0.057	PASS
3	85	20.8	5.00	0.005	0.026	PASS
4	85	20.7	5.00	0.151	0.187	PASS
5	85	21.8	5.00	0.015	0.024	PASS
6	85	19.3	5.00	0.004	0.019	PASS
7	85	20.7	5.00	0.007	0.020	PASS
8	85	19.6	5.00	0.004	0.010	PASS
9	85	21.2	5.00	0.033	0.042	PASS
10	85	21.0	5.00	0.056	0.088	PASS
11	85	21.3	5.00	0.010	0.024	PASS
12	85	19.2	5.00	0.005	0.017	PASS
13	85	21.1	5.00	0.020	0.042	PASS
14	85	21.4	5.00	0.007	0.017	PASS
15	85	22.4	5.00	0.401	0.456	PASS
16	85	18.0	5.00	0.023	0.072	PASS
17	85	19.7	5.00	0.009	0.062	PASS
18	85	21.2	5.00	0.013	0.021	PASS
19	85	23.0	5.00	0.010	0.019	PASS
20	85	218.8	5.00	0.097	0.143	PASS

Overall Result: PASS

Signature: 
Engineering Technician

Date: 4/24/2010

Task Number: TN-16942

Reference No.: CFR 84.181

Test: Dioctyl Phthalate (DOP) - R95

STP No.: 56

Manufacturer: Louis M. Gerson Company, Inc.

Item Tested: 1840

Comments:

Was all equipment verified to be in calibration throughout all testing?

Yes

No

Signature:



Engineering Technician

Date: 4/24/2010