



DEPARTMENT OF HEALTH & HUMAN SERVICES

NIOSH Reference: TN-19168
Mfr. Reference: MAK-1310

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
Pittsburgh, PA 15236-0070
Phone: 412-386-4000
Fax: 412-386-4051
October 17, 2013

Mr. Alexander Freedman, President
Makrite Industries Inc.
Sanax Protective Products, Inc.
105 Palmer River Road
Swansea, MA 02777

Dear Mr. Freedman:

The National Institute for Occupational Safety and Health (NIOSH) has reviewed your request accepted May 29, 2013. This request was for an approval of the model SEKURA-321 filtering facepiece air purifying respirator for protections against particulates at a N95 filter efficiency level, reference the assembly matrix SEKURA-321AMa.xls.

This request is granted. Approval is 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 approval number TC-84A-6660 has been assigned. This respirator is approved for protections against particulates at a N95 filter efficiency level.

The CD enclosed with this letter contains the final respirator label. The abbreviated label has been accepted as submitted. The cautions and limitations that 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 labels in a legible and permanent manner (marking cannot be removed without evidence of its previous presence).

This certificate of approval is not an endorsement of the respirator by NIOSH, and such endorsement shall not be stated or implied in advertisements or other publicity. However, you may publicize the fact that the respirator has met the requirements of Title 42, *Code of Federal Regulations*, Part 84 (42 CFR 84).

No changes may be made to any respirators 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 "Roland BerryAnn". The signature is written in a cursive style with a large, sweeping initial "R".

Roland BerryAnn
Acting Chief, Technology Evaluation Branch
National Personal Protective Technology Laboratory

Enclosures



TEST REPORT

Task Number: TN-19168

Manufacturer: Makrite Industries, Inc.

Prepared by: Jeremy Brannen

Tests Conducted by: Jeremy Brannen / Nicole Petitta

Date: July 30, 2013

Respirator Tested: SEKURA-321

Background Information

In an application accepted May 29, 2013 Makrite Industries requested an approval of the model SEKURA-321 filtering facepiece air purifying respirator for protections against particulates at a N95 filter efficiency level, reference the assembly matrix SEKURA-321AMa.xls.

Tests Assigned

<u>Test Description</u>	<u>STP Number</u>	<u>Reference</u>
A. Exhalation Resistance Test	RCT-APR-STP-0003	84.180
B. Inhalation Resistance Test	TEB-APR-STP-0007	84.180
C. Sodium Chloride (NACL) N95 Test	TEB-APR-STP-0059	84.181

Overall Results

The items tested passed laboratory testing.

Individual Test Results

See the attached test data sheets.

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



Task Number: TN-19168

Reference No.: CFR 84.180

Test: Exhalation Resistance Test

STP No.: 3

Manufacturer: Makrite Industries, Inc.

Filter Type: Filter Only

Item Tested: SEKURA-321

Sample	Maximum Allowable Resistance (MM of H ₂ O)	Actual Resistance (MM of H ₂ O)	Result
	Exhalation	Exhalation	
1	25	10.4	PASS
2	25	10.9	PASS
3	25	8.9	PASS

Overall Result: PASS

Comments:

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

Yes No

Signature:

Nickole L. Petetta

Date: 7/30/2013

Engineering Technician

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



Task Number: TN-19168
Test: Inhalation Resistance Test
Manufacturer: Makrite Industries, Inc.
Item Tested: SEKURA-321

Reference No.: CFR 84.180
STP No.: 7

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	13.7	PASS
2	35	11.4	PASS
3	35	10.2	PASS

Overall Result: PASS

Signature: *Nicole L. Petitta*

Date: 7/30/2013

Engineering Technician

Task Number: TN-19168
Test: Inhalation Resistance Test
Manufacturer: Makrite Industries, Inc.
Item Tested: SEKURA-321

Reference No.: CFR 84.180
STP No.: 7

Comments:

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

Yes **No**

Signature:

Nichole L. Petitta

Date: 7/30/2013

Engineering Technician

Task Number: TN-19168

Reference No.: CFR 84.181

Test: Sodium Chloride (NaCl) - N95

STP No.: 59

Manufacturer: Makrite Industries, Inc.

Item Tested: SEKURA-321

Comments:

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

Yes **No**

Signature:



Engineering Technician

Date: 7/30/2013



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