

PRODUCT TESTING TOXICITY (FLAMING MODE) TEST

COMPLETED BY:
Aeroblaze Laboratory

TESTING CATEGORY:
Aerospace Flammability

PRODUCTS TESTED:
H and F Series

DATE:
06/08/2026

We submitted samples of our H and F Series of Cerakote coatings to Aeroblaze Laboratory, Inc., a third-party testing facility that specializes in aerospace flammability testing.

The testing parameters and results are as follows.

TEST CONDUCTED

Toxicity (Flaming Mode) Test Results (which meets Boeing BSS 7239, Revision A)

TESTING PARAMETERS

- Exposure to head and/or flame: 4 minutes
- Substrate: 6061 Aluminum

CERAKOTE COATINGS TESTED

- H-900 Electrical Barrier
- H-157 Bright Nickel
- F-102 Carbon Black

RESULTS

All coatings tested **PASSED** the Boeing Standard.

This information is accurate to the best of our knowledge; however, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Toxicity (Flaming Mode) Test Results

Boeing BSS 7239, Revision A

Customer Information

NIC Industries
7050 6th Street
White City, Oregon 97503

Sample Notes

(H-900) - 6061 Aluminum

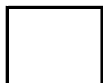
Gas	Limit (ppm) at 4 min	Sample 1			Sample 2			Sample 3		
		Value	Method	Result	Value	Method	Result	Value	Method	Result
HCN	150	2	DT	PASS	1	DT	PASS	-	-	-
CO	3500	25	GF	PASS	25	GF	PASS	-	-	-
NO/NO ²	100	4	GF	PASS	3	GF	PASS	-	-	-
SO ²	100	0	GF	PASS	0	GF	PASS	-	-	-
HF	200	5	DT	PASS	5	DT	PASS	-	-	-
HCL	500	0	DT	PASS	0	DT	PASS	-	-	-

DT = Dräger Tubes | PO = Potentiometry | GF = Gas Flue Analysis (Testo 350)

IND. = Indeterminate. Test values exceed maximum limits of Dräger Tube

*Positive = Indicative test; HF is detected

Results


PASS
Notes: Tested at external laboratory.

FAIL

RESULTS RELATE ONLY TO THE ITEMS AS RECEIVED AND TESTED. THIS REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL.
PASS/FAIL CRITERIA IS DETERMINED BY DIRECT COMPARISON OF THE REPORTED RESULT TO THE TEST METHOD'S SPECIFIED LIMIT(S).

Tested by: Keith Krueger

08-Jun-26

Approval:


08-Jun-26

Gregory Thomas, Lab Manager

Toxicity (Flaming Mode) Test Results

Boeing BSS 7239, Revision A

Customer Information

NIC Industries
7050 6th Street
White City, Oregon 97503

Sample Notes

(F-102) - 6061 Aluminum

Gas	Limit (ppm) at 4 min	Sample 1			Sample 2			Sample 3		
		Value	Method	Result	Value	Method	Result	Value	Method	Result
HCN	150	1	DT	PASS	2	DT	PASS	-	-	-
CO	3500	25	GF	PASS	25	GF	PASS	-	-	-
NO/NO ²	100	1	GF	PASS	2	GF	PASS	-	-	-
SO ²	100	0	GF	PASS	0	GF	PASS	-	-	-
HF	200	10	DT	PASS	10	DT	PASS	-	-	-
HCL	500	0	DT	PASS	0	DT	PASS	-	-	-

DT = Dräger Tubes | PO = Potentiometry | GF = Gas Flue Analysis (Testo 350)

IND. = Indeterminate. Test values exceed maximum limits of Dräger Tube

*Positive = Indicative test; HF is detected

Results

☒ PASS

Notes: Tested at external laboratory.

☐ FAIL

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PASS/FAIL CRITERIA IS DETERMINED BY DIRECT COMPARISON OF THE REPORTED RESULT TO THE TEST METHOD'S SPECIFIED LIMIT(S).

Tested by: Keith Krueger

08-Jun-26

Approval:



08-Jun-26

Gregory Thomas, Lab Manager

Toxicity (Flaming Mode) Test Results

Boeing BSS 7239, Revision A

Customer Information

NIC Industries
7050 6th Street
White City, Oregon 97503

Sample Notes

(H-157) - 6061 Aluminum

Gas	Limit (ppm) at 4 min	Sample 1			Sample 2			Sample 3		
		Value	Method	Result	Value	Method	Result	Value	Method	Result
HCN	150	1	DT	PASS	3	DT	PASS	-	-	-
CO	3500	25	GF	PASS	25	GF	PASS	-	-	-
NO/NO ²	100	1	GF	PASS	1	GF	PASS	-	-	-
SO ²	100	0	GF	PASS	0	GF	PASS	-	-	-
HF	200	7	DT	PASS	5	DT	PASS	-	-	-
HCL	500	0	DT	PASS	0	DT	PASS	-	-	-

DT = Dräger Tubes | PO = Potentiometry | GF = Gas Flue Analysis (Testo 350)

IND. = Indeterminate. Test values exceed maximum limits of Dräger Tube

*Positive = Indicative test; HF is detected

Results

☒ PASS

Notes: Tested at external laboratory.

☐ FAIL

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