



Analytical Testing Report

Indalloy 151 with NC-SMQ75

Report Number: R-20260310-084

Prepared for:

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Indium Corporation

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Utica, NY 13503

P.O. #: NA

March 24, 2026

NSL Analytical Services, Inc.
NSL Analytical
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Cleveland, Ohio 44128
Phone: 216-438-5200
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**Tests
Requested:**

- European Directive 2015/863/EU Amending 2011 / 65 / EU Annex II (RoHS; Recasting 2001 / 95 / EC: Cadmium, Lead, Mercury, Hexavalent Chromium, Polybromobiphenyl (PBB), and Polybromodiphenylether (PBDE), (DIBP, DBP, BBP, DEHP) content. European Directive 2021/1297 Annex VII
- Antimony, Beryllium and Arsenic Content
- Total Halogen
- DnOP, DINP, DIDP, DnHP
- C9-C14, PFOA, PFOS, PFHxS





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Project Definition and Scope

European Directive 2015/863/EU Amending 2011 / 65 / EU Annex II (RoHS; Recasting 2001 / 95 / EC: European Directive 2021/1297 Annex VII

Cadmium, Lead, Mercury, Hexavalent Chromium, Polybromobiphenyl (PBB), and Polybromodiphenylether (PBDE) content.

Antimony, Beryllium and Arsenic Content, Total Halogen.

DIBP, DBP, BBP, DEHP, DnOP, DINP, DIDP, DnHP content.

PFOA, PFOS, PFHxS, C9-C14 content.

Sample Identification

The sample was received on March 10, 2026 and is labeled as indicated below.

Sample Number	Client Label
S-260310-183	Indalloy 151 with NC-SMQ75

Method

With reference to IEC 62321-7-2:2017: Chromium (VI) analysis was conducted by UV-Visible Spectroscopy.

With reference to IEC 62321-6: 2015: PBB, PBDE analysis was conducted by Gas Chromatography – Mass Spectrometry (GC-MS).

With reference to IEC 62321-4: 2013: Mercury analysis was conducted by Inductively Coupled Plasma-Optical Emission Spectroscopy (ICP-OES).

With reference to IEC 62321-5: 2013: Lead, Cadmium and Chromium analysis was conducted by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).

Antimony, Beryllium and Arsenic analysis was conducted by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS). Following Microwave Assisted Acid Digestion with reference to EPA 3051A/3052

With reference to IEC62321-3-2: 2013, BS EN 14582, ASTM D 7359: Halogen analysis was conducted by Ion Chromatography and SIE.

With reference to IEC62321-8 and CPSC-CH-C1001-09.3: DIBP, DBP, BBP, DEHP, DnOP, DINP, DIDP, DnHP were analyzed by Liquid Chromatography – Mass Spectrometry (LC-MS).

C9-C14, PFOA, PFOS and PFHxS by Liquid Chromatography – Mass Spectrometry (LC-MS).

Results, Opinions, and Interpretations

Table 1: RoHS Results

Test Item	Results (mg/kg) Sample # S-260310-183	Detection Limit (mg/kg)	Reference Limit (mg/kg)
Lead (Pb)	843000	5	1000
Cadmium	ND	5	100
Chromium	ND	5	
Hexavalent Chromium (Cr(VI))	ND ²	1	1000
Mercury (Hg)	ND	5	1000
Sum of PBBs	ND ³	300	1000
Monobromobiphenyl	ND ³	100	-
Dibromobiphenyl	ND ³	100	-
Tribromobiphenyl	ND ³	10	-
Tetrabromobiphenyl	ND ³	10	-
Pentabromobiphenyl	ND ³	10	-
Hexabromobiphenyl	ND ³	10	-
Heptabromobiphenyl	ND ³	10	-
Octabromobiphenyl	ND ³	10	-
Nonabromobiphenyl	ND ³	10	-
Decabromobiphenyl	ND ³	10	-
Sum of PBDEs	ND ³	320	1000
Monobromodiphenyl ether	ND ³	100	-
Dibromodiphenyl ether	ND ³	10	-
Tribromodiphenyl ether	ND ³	10	-
Tetrabromodiphenyl ether	ND ³	10	-
Pentabromodiphenyl ether	ND ³	10	-
Hexabromodiphenyl ether	ND ³	10	-
Heptabromodiphenyl ether	ND ³	10	-
Octabromodiphenyl ether	ND ³	10	-
Nonabromodiphenyl ether	ND ³	50	-
Decabromodiphenyl ether	ND ³	100	-

Note: ND = Not Detected

Note: mg/kg = ppm

Note: ND² = Total Chromium analysis by ICP-MS was not detected in the submitted samples. Therefore, Hexavalent Chromium determination by UV-Visible spectroscopy was not performed.

Note: ND³ = Total Bromine by Ion Chromatography was determined to be < 250 ppm, therefore PBB and PBDE analysis by Gas Chromatography – Mass Spectrometry was not performed.

Table 2: Antimony, Beryllium and Arsenic Content

Test Item	Results (mg/kg)	Detection Limit (mg/kg)
	Sample # S-260310-183	
Antimony (Sb)	16	5
Arsenic (As)	ND	5
Beryllium (Be)	ND	5

Table 3: Halogen Content

Test Item	Results (mg/kg)	Detection Limit (mg/kg)
	Sample # S-260310-183	
Chlorine (Cl)	ND	10
Bromine (Br)	ND	10
Fluorine (F)	ND	10
Iodine (I)	ND	10

Table 4: Phthalates Results

Test Item	Results (ug/kg)	Detection Limit (ug/kg)	Reference Limit (mg/kg)
	Sample # S-260310-183		
DIBP	ND	20	
DBP	ND	20	1000
BBP	ND	20	1000
DEHP	ND	20	1000
DnOP	ND	20	1000
DINP	ND	100	1000
DIDP	ND	100	1000
DnHP	ND	20	

Table 5: PFOA, PFOS, PFHxS and C9-C14 Content

Test Item	Results (ug/kg)	Detection Limit (ug/kg)	Reference Limit
	Sample # S- 260310-183		(ug/kg)
PFOA	ND	ND = <1	
PFOS	ND	ND = <1	
PFHxS	ND	ND = <1	
C9 PFNA	ND	ND = <1	
C10 PFDA	ND	ND = <1	
C11 PFUnDA	ND	ND = <1	
C12 PFDoDA	ND	ND = <1	
C13 PFTrDA	ND	ND = <1	
C14 PFTDA	ND	ND = <2	
Sum C9-C14	<8		<25

Note: ND = Not Detected

Note: ug/kg = ppb

Note: ND = Not Detected

Note: mg/kg = ppm

If you have any questions regarding these results, please contact us.

Report Prepared By: Rebecca Bailey


Lisa Simko
Technical Specialist

Process Flow – Analytical Methods for Chemical Analysis

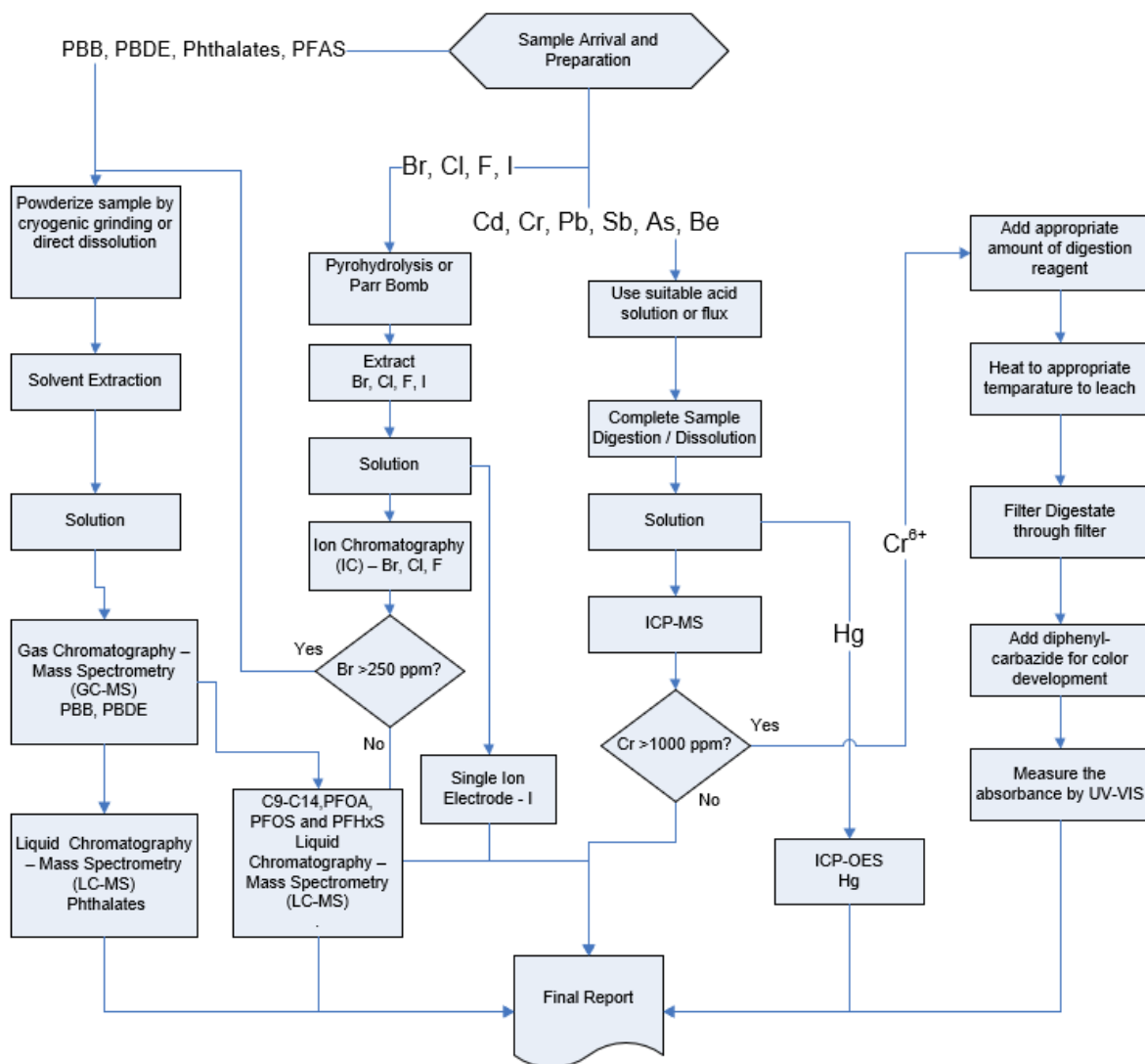


Photo: Sample # S-260310-183

Indium - SERVICE REQUEST FORM	
Restricted Substance Testing for E&E Products	
Client Requesting NSL Service	
Request Service: ☒ 5 days	Rush Service: ☐ 2 days
Company Name: INDIUM CORPORATION	
Invoice: Address: 1676 Lincoln Ave. P. O. Box 269 Utica, New York 13502	Report: Address: ☒ Same as billing address Contact Name: Telephone: Email: ☒ Ready for testing
Contact Name: Cliff Talbot Telephone: 315-853-4900 ext. 7415 Email: ctalbot@indium.com	
Sample Information	
Sample Description: Indalloy 151 with NC-SMQ75	PO #: EP26410
Color:	Contain Phthalates: No
Powder Composition: Pb92.5/Sn5/Ag2.5	Contain Bromine: No
Special Instructions: Photo of material not the jar	Location: ECD
Re-test Sample:	If yes, provide previous report number:
NSL Service(s) Required: Please check appropriate line(s) below:	
(Analyze the submitted sample(s) per NSL Quote Number: NSLQ37729; line 1)	
☒ RoHS: Full Package IEC 62321	☒ Phthalates: DEHP, DBP, DINP, DIDP, DNOP, BBP, DIBP, DnHP
☐ Cadmium (Cd)	☐ HBCDD
☒ Lead (Pb) ☒ High Concentration	☒ C9-C14 PFAS
☐ Low Concentration	☒ PFOS/PFOA
☐ Mercury (Hg)	☒ PFHxS
☐ PBBs and PBDEs	Halogens:
☐ Chromium VI (Cr VI)	☒ Chlorine (Cl)
☒ Antimony	☒ Bromine (Br)
☒ Beryllium	☒ Fluorine (F)
☒ Arsenic	
☐ Iodine (I)	
Other tests (please specify Analysis/Method):	
☒ Photos Required ☒ Flow Chart ☒ Other Reporting Instruction: No result conclusion on report cover page	
NSL Customer Service Representative:	NSL Sales Contact:
NSL Analytical Services Inc. 4450 Cranwood Parkway Cleveland, OH 44128 Phone: 1-216-438-5200 Fax: 1-216-438-5050	☐ Return Sample Immediately; if returned please provide shipping account number. ☒ Destroy/Discard Sample after 90 days
Client Confirmation: We confirm that the above information is complete and understand that the performances of the services described are governed by NSL General Conditions of Service.	
Authorized Signature: <i>Cliff Talbot</i>	Date: 03/06/2026
MAR 10 2026	CONTRACT REVIEW
By: DJ	30153740
	R-20260310-084

