



THE NON-TOXIC SOLAR ALLIANCE e.V. (NT)  
Karplatz 7  
Berlin GERMANY, 10117

Project: Solar Panels  
Project Number: [none]  
Project Manager: Jan Hemme

**Reported:**  
07/08/10 14:12

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Thin-film cadmium-tellurid (CdTe) Solar Panels	1006381-01	Solid	04/07/10 16:57	04/07/10 17:00

**CASE NARRATIVE**

SAMPLE RECEIPT: Samples were received intact, at 25°C, and accompanied by chain of custody documentation.  
PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis.  
HOLDING TIMES: All holding times were met, unless otherwise noted in the report with data qualifiers.  
QA/QC CRITERIA: All quality objective criteria were met, except as noted in the report with data qualifiers.

NOTE: REPORT IS NOT FOR USE IN ADVERTISING AND/OR ENDORSEMENT OF ANY PRODUCT OR DECLARATION OF A PRODUCT AND ITS CONTENT. MISUSE OF THIS REPORT COULD LEAD TO LEGAL ACTION.

---

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



THE NON-TOXIC SOLAR ALLIANCE e.V. (NT  
Karplatz 7  
Berlin GERMANY, 10117

Project: Solar Panels  
Project Number: [none]  
Project Manager: Jan Hemme

**Reported:**  
07/08/10 14:12

**Metals by EPA 6000/7000 Series Methods**

**Sierra Analytical Labs, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Thin-film cadmium-tellurid (CdTe) Solar Panels (1006381-01) Solid    Sampled: 04/07/10 16:57    Received: 04/07/10 17:00</b>									
<b>Cadmium</b>	<b>720</b>	0.51	mg/kg	1	B0F2306	06/23/10	06/24/10 11:08	EPA 6010B	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



THE NON-TOXIC SOLAR ALLIANCE e.V. (NT)  
Karplatz 7  
Berlin GERMANY, 10117

Project: Solar Panels  
Project Number: [none]  
Project Manager: Jan Hemme

**Reported:**  
07/08/10 14:12

**STLC Metals by EPA 6000/7000 Series Methods**

**Sierra Analytical Labs, Inc.**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>Thin-film cadmium-tellurid (CdTe) Solar Panels (1006381-01) Solid</b> <b>Sampled: 04/07/10 16:57</b> <b>Received: 04/07/10 17:00</b>										
<b>Cadmium</b>	<b>2.81</b>	0.15		mg/L	2	B0F2809	06/28/10	06/28/10 17:12	EPA 6010B	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



THE NON-TOXIC SOLAR ALLIANCE e.V. (NT)  
 Karplatz 7  
 Berlin GERMANY, 10117

Project: Solar Panels  
 Project Number: [none]  
 Project Manager: Jan Hemme

**Reported:**  
 07/08/10 14:12

**Metals by EPA 6000/7000 Series Methods - Quality Control**

**Sierra Analytical Labs, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0F2306 - EPA 3050B</b>										
<b>Blank (B0F2306-BLK1)</b>										
										Prepared: 06/23/10 Analyzed: 06/24/10
Cadmium	ND	0.51	mg/kg							
<b>LCS (B0F2306-BS1)</b>										
										Prepared: 06/23/10 Analyzed: 06/24/10
Cadmium	99.4	0.51	mg/kg	100		99.4	80-120			
<b>Duplicate (B0F2306-DUP1)</b>										
										Source: 1006381-01 Prepared: 06/23/10 Analyzed: 06/24/10
Cadmium	735	0.51	mg/kg		720			2.06	200	
<b>Duplicate (B0F2306-DUP2)</b>										
										Source: 1006381-01 Prepared: 06/23/10 Analyzed: 06/24/10
Cadmium	725	0.51	mg/kg		720			0.692	200	
<b>Matrix Spike (B0F2306-MS1)</b>										
										Source: 1006381-01 Prepared: 06/23/10 Analyzed: 06/24/10
Cadmium	764	0.51	mg/kg	91.2	720	48.2	70-130			QM-07
<b>Matrix Spike Dup (B0F2306-MSD1)</b>										
										Source: 1006381-01 Prepared: 06/23/10 Analyzed: 06/24/10
Cadmium	852	0.51	mg/kg	95.1	720	139	70-130	10.9	20	QM-07

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



THE NON-TOXIC SOLAR ALLIANCE e.V. (NT)  
 Karplatz 7  
 Berlin GERMANY, 10117

Project: Solar Panels  
 Project Number: [none]  
 Project Manager: Jan Hemme

**Reported:**  
 07/08/10 14:12

**STLC Metals by EPA 6000/7000 Series Methods - Quality Control**

**Sierra Analytical Labs, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B0F2809 - EPA 3010A**

<b>Blank (B0F2809-BLK1)</b>				Prepared & Analyzed: 06/28/10						
Cadmium	ND	0.15	mg/L							
<b>LCS (B0F2809-BS1)</b>				Prepared & Analyzed: 06/28/10						
Cadmium	2.10	0.15	mg/L	2.00		105	80-120			
<b>Duplicate (B0F2809-DUP1)</b>				Source: 1006381-01 Prepared & Analyzed: 06/28/10						
Cadmium	2.95	0.15	mg/L		2.81			4.86	20	
<b>Duplicate (B0F2809-DUP2)</b>				Source: 1006381-01 Prepared & Analyzed: 06/28/10						
Cadmium	2.90	0.15	mg/L		2.81			3.15	20	
<b>Matrix Spike (B0F2809-MS1)</b>				Source: 1006381-01 Prepared & Analyzed: 06/28/10						
Cadmium	4.85	0.15	mg/L	2.00	2.81	102	80-120			
<b>Matrix Spike Dup (B0F2809-MSD1)</b>				Source: 1006381-01 Prepared & Analyzed: 06/28/10						
Cadmium	4.79	0.15	mg/L	2.00	2.81	99.0	80-120	1.24	20	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



THE NON-TOXIC SOLAR ALLIANCE e.V. (NT)  
Karplatz 7  
Berlin GERMANY, 10117

Project: Solar Panels  
Project Number: [none]  
Project Manager: Jan Hemme

**Reported:**  
07/08/10 14:12

#### Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

---

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

