



TEST REPORT

Report Number	17R-1366-00
Name and Address of Client	BANGKOK STEEL INDUSTRY PUBLIC CO., LTD 27 MOO 10, POOCHAOSAMINGPRAI RD., BANGYAPRAEK, PHRAPRADAENG, SAMUTPRAKARN 10130
Product Name	Hot-dip zinc-coated steel sheet and strip, SGCC RCX Z180 SINGHA, MIDDLE GAUGE
Product Description	-
Sample Details	Details of sample as shown in appendix
Sample Receiving Date	03 Aug 2017
Sample Testing Date	03 -09 Aug 2017
Report Issue Date	09 Aug 2017
Test Location	Japan Electrical Testing Laboratory (Thailand) Co., Ltd. 46/173, Nuanchan Rd., Nuanchan, Bungkum, Bangkok 10230, Thailand
Remark : -	

Prepared by

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A. TEST RESULTS

TEST COMPONENTS : Hot-dip zinc-coated steel sheet and strip, SGCC RCX Z180 SINGHA,
 MIDDLE GAUGE

TESTING ITEMS	RESULTS
	SUBMITTED SAMPLES
LEAD (Pb) CONTENT: mg/kg	N.D.
CADMIUM (Cd) CONTENT: mg/kg	N.D.
MERCURY (Hg) CONTENT: mg/kg	N.D.
HEXAVALENT CHROMIUM (Cr ⁶⁺) CONTENT: mg/kg	N.D.

- Remarks :
- Results shown are based on the total weight of dry sample.
 - ppm = part per million = mg/kg
 - N.D. = not detected at the limit of detection (LOD)

"The test results covered by this report, refer only to the test samples which have been submitted for testing."

B. TEST METHOD

Testing Item	Testing Method	Detection Limit			
		Testing Item	LOD	LOQ	Unit
Mercury	IEC 62321: 2008, edition 1.0, Clause 7 by acid digestion and determined by ICP-OES	Hg	0.22	2.00	mg/kg
Cadmium, Lead	IEC 62321: 2008, edition 1.0, Clause 9 by acid digestion and determined by ICP-OES	Cd	0.22	2.00	mg/kg
		Pb	0.28	2.00	mg/kg
Hexavalent Chromium	IEC 62321: 2008, edition 1.0, annex C, by alkaline digestion and determined by UV-Visible	Cr ⁶⁺	0.07	1.00	mg/kg

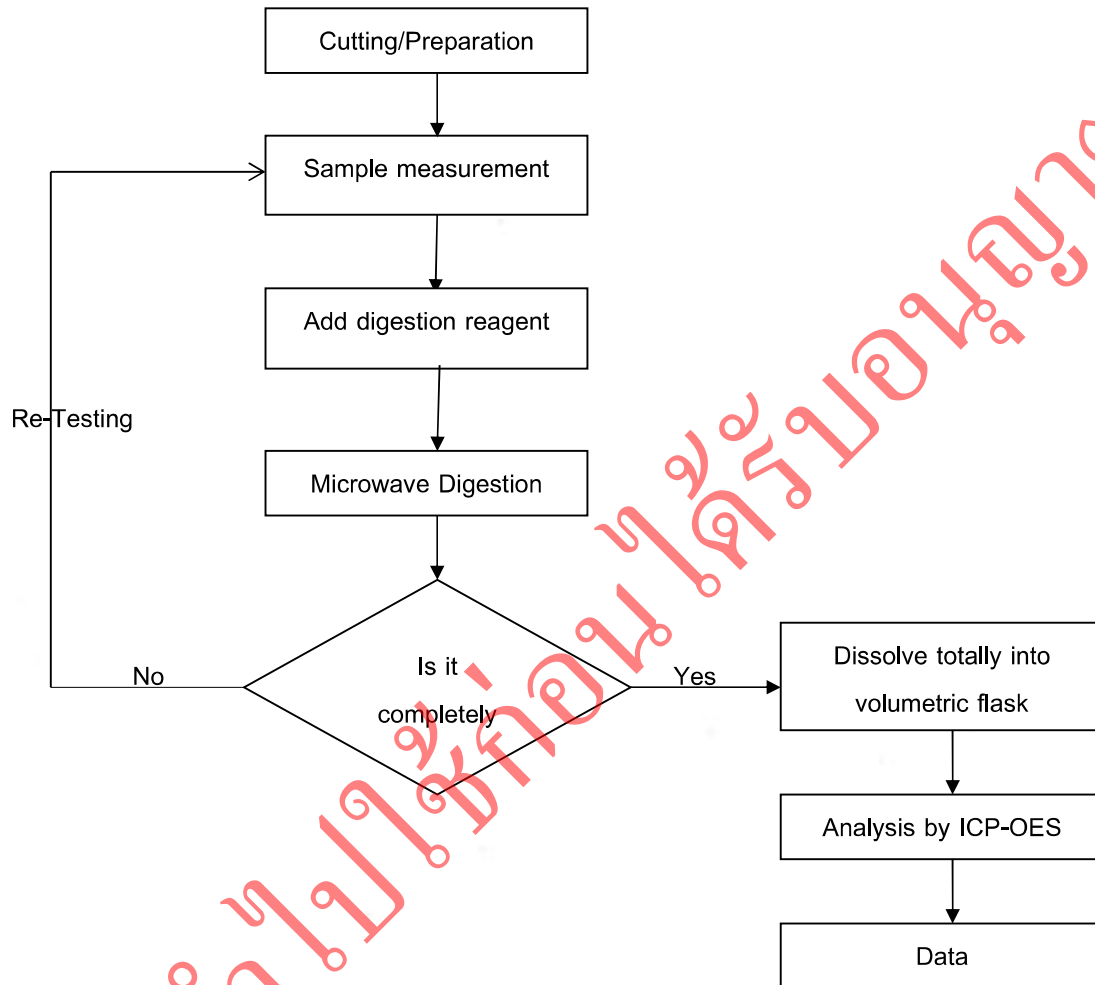
*****End of Report*****



APPENDIX



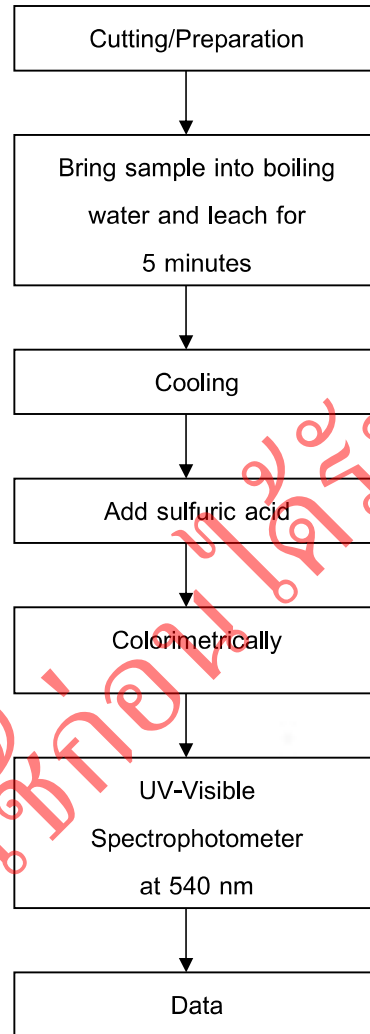
Flow Chart of Cd, Pb, Hg Analysis (Based on IEC 62321)



Remark: The samples were digested completely by pre-conditioning method according to above flow chart.



Flow Chart of Hexavalent Chromium (Cr^{6+}) Analysis (Based on IEC 62321)



Remark: The samples were extracted completely by pre-conditioning method according to above flow chart.

