

THAILAND INSTITUTE OF SCIENTIFIC AND TECHNOLOGICAL RESEARCH (TISTR)
 MATERIAL PROPERTIES ANALYSIS AND DEVELOPMENT CENTRE (MPAD)
 MATERIAL PROPERTIES AND FAILURE ANALYSIS LABORATORY (MPF)

Request No. : S6500487

Date : 25 March 2022

REPORT

Customer : Siam International Alliances Co., Ltd.

Page : 3 of 5

Temperature : 24.5 °C Relative Humidity : 53 %

Equipment : SPECTROLAB M10



Fig. 1 As-received Sample No.: S2203-05, Sample Type : SHG, Customer name : Sangchareon Hot Dip, Customer reference : 3/2565 Phase A.

Table 1 The chemical composition analysis result of Sample No.: S2203-05, Sample Type : SHG, Customer name : Sangchareon Hot Dip, Customer reference : 3/2565 Phase A.

Measurement report: 3/25/2022 2:59:09 PM	Method: Zn-10	Model: Pure zinc				
Sample: Sample No.: S2203-05, Sample Type : SHG, Customer name : Sangchareon Hot Dip, Customer reference : 3/2565 Phase A						
Average of 3 measurements (% by mass)						
Al	Cu	Pb	Sn	Cd	Fe	Zn
0.00063	0.0091	0.688	< 0.00090	0.00021	0.0236	99.21

The values with "<" are less than the detection limit of the equipment.

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Temperature : 24.3 °C Relative Humidity : 53 %

Equipment : SPECTROLAB M10



Fig. 2 As-received Sample No.: S2203-06, Sample Type : SHG, Customer name : Sangchareon Hot Dip, Customer reference : 3/2565 Phase B.

Table 2 The chemical composition analysis result of Sample No.: S2203-06, Sample Type : SHG, Customer name : Sangchareon Hot Dip, Customer reference : 3/2565 Phase B.

Measurement report: 3/25/2022 3:04:39 PM	Method: Zn-10	Model: Pure zinc				
Sample: Sample No.: S2203-06, Sample Type : SHG, Customer name : Sangchareon Hot Dip, Customer reference : 3/2565 Phase B						
Average of 3 measurements (% by mass)						
Al	Cu	Pb	Sn	Cd	Fe	Zn
0.00031	0.0133	0.673	< 0.00090	0.00008	0.0248	99.24

The values with "<" are less than the detection limit of the equipment.



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REPORT

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Temperature : 24.5 °C **Relative Humidity :** 52 %

Equipment : SPECTROLAB M10



Fig. 3 As-received Sample No.: S2203-07, Sample Type : SHG, Customer name : Sangchareon Eastern, Customer reference : 3/2565.

Table 3 The chemical composition analysis result of Sample No.: S2203-07, Sample Type : SHG, Customer name : Sangchareon Eastern, Customer reference : 3/2565.

Measurement report: 3/25/2022 3:18:48 PM	Method: Zn-10	Model: Pure zinc				
Sample: Sample No.: S2203-07, Sample Type : SHG, Customer name : Sangchareon Eastern, Customer reference : 3/2565						
Average of 3 measurements (% by mass)						
Al	Cu	Pb	Sn	Cd	Fe	Zn
< 0.00001	0.0099	0.849	< 0.00090	0.00024	0.0341	99.04

The values with “<” are less than the detection limit of the equipment.