



## Test Report

No. CRSSA/15144-3/17  
CRS Ref. CRSSA/17/3145/Hitachi

Date : 29/12/2017

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HITACHI CHEMICAL (MALAYSIA) SDN. BHD.  
PLOT 501, PRAI INDUSTRIAL ESTATE, 13600 PRAI, PENANG, MALAYSIA

The following merchandise was (were) submitted and identified by the client as:

Sample Description	:	DIE Bonding Paste
Sample Name	:	EN4088Z
Sample Receiving Date	:	12/12/2017
Testing Period	:	12/12/2017 to 21/12/2017
Date Completed	:	21/12/2017
Reporting Date	:	29/12/2017

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Test Results	:	Please refer to next page.
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Analysts	:	Nurfarahima Ibrahim
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TECHNICAL MANAGER

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Test results by chemical method:

Test Item (s) :	Unit	Method	Results	MDL
Halogen	---	---	---	---
Halogen-Chlorine (Cl)	mg/kg	With reference to BS EN 14582:2016. Analysis was performed by IC method for Chlorine content.	105	50
Halogen-Bromine (Br)	mg/kg	With reference to BS EN 14582:2016. Analysis was performed by IC method for Bromine content.	N.D.	50

## Test Part Description:

Sample Description : DIE Bonding Paste  
Sample Name : EN4088Z

Note : (a) mg/kg = ppm  
(b) N.D. = Not Detected  
(c) MDL = Method Detection Limit  
(d) --- = Not Conducted  
(e) Testing is based on original basis

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### Test Part Description :

Sample Description : DIE Bonding Paste  
Sample Name : EN4088Z

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**DETERMINATION OF HALOGEN CONTENT**  
**BY EN 14582 2016**

Sample pretreatment  
↓  
Weighting and putting sample in cell  
↓  
Combustion / Absorption  
↓  
Dilution to fixed volume  
↓  
Analyses by IC

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

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