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MaterialLab

Report No. : 186527CH190593(4)



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Test Report on Chemical Analysis of Hardened Concrete

Information Supplied by Client

Client : C.M. Wong & Associates Ltd.
Client's address : 1104, Universal Trade Centre, 3-5A Arbutnot Road, Hong Kong
Project : Structural Condition Survey at Good Year Industrial Building,
No.119-121 How Ming Street, Kwun Tong
Sample description : One sample of hardened concrete (Powder drilling)
Client sample ID. : C0302
Sampling location : 3/F Slab Soffit
Depth of sample from concrete surface : 5~80 mm
Date of sampling : 15/03/2019
Tests required : Cement content and aggregate/cement ratio (by CaO determination)

Laboratory Information

Laboratory sample ID. : CH190593/11 (SD1901144) (PE190152)
Date of receipt of sample : 20/03/2019
Date test commenced : 20/03/2019
Date test completed : 09/04/2019
Test methods used : CS1: 2010 Section 21.6.4, 21.6.6 & 21.6.7

Results :

1. Pulverized fuel ash (PFA) in the sample.....	Present/Not detected
2. Testing assumptions :	
Type of aggregate	Type I
CaO in the cement used	62.0 %
CaO in the aggregate used	0.2 %
Combined water of hydration of cement in the hardened concrete	23.0 %
By assay :	
CaO content by mass of sample	9.2 %
∴ Cement content by mass of sample	14.6 %
Aggregate/cement ratio	5.6

Supervised by : H.Y. Chan

Certified by :
Approved Signatory: AU Kwok Man, Bruce
Assistant Manager – Chemical Laboratory

Date

** End of Report **

Note : This report refers only to the sample(s) tested.