



Mirpur Cantonment, Dhaka-1216

Centre for Advisory and Testing Services (CATS-MIST) Military Institute of Science and Technology

Test for Potential Alkali-Silica Reactivity of Aggregates

CATS REF NO : 370/TN/07/19 DT: 07.07.2019
Test Standard : ASTM C 289
Client : Maddhapara Granite Mining Company Ltd., Parbatipur, Dinajpur.
Sample Brought by : Mr. Kamruzzaman Himu, Manager (MS & R)
Type of Aggregate : Coarse Aggregate
Source of Aggregate : Maddhapara, Parbatipur, Dinajpur
Sample Status : Sealed

Test Results

Properties	Unit	Results
Dissolved Silica, SiO ₂	mmol/l	8.3
Reduction in Alkalinity	mmol/l	300
Remark: The sample is considered innocuous		

Test Supervised by

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Countersigned by

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Note: Samples as supplied to us have been tested in our laboratory. CATS-MIST does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples to be sent in a secure and sealed cover/packet/container under signature of the competent authority in order to avoid fraudulent fabrication of test results. It is recommended to collect all test reports by duly authorized person and not by the contractor/supplier himself.

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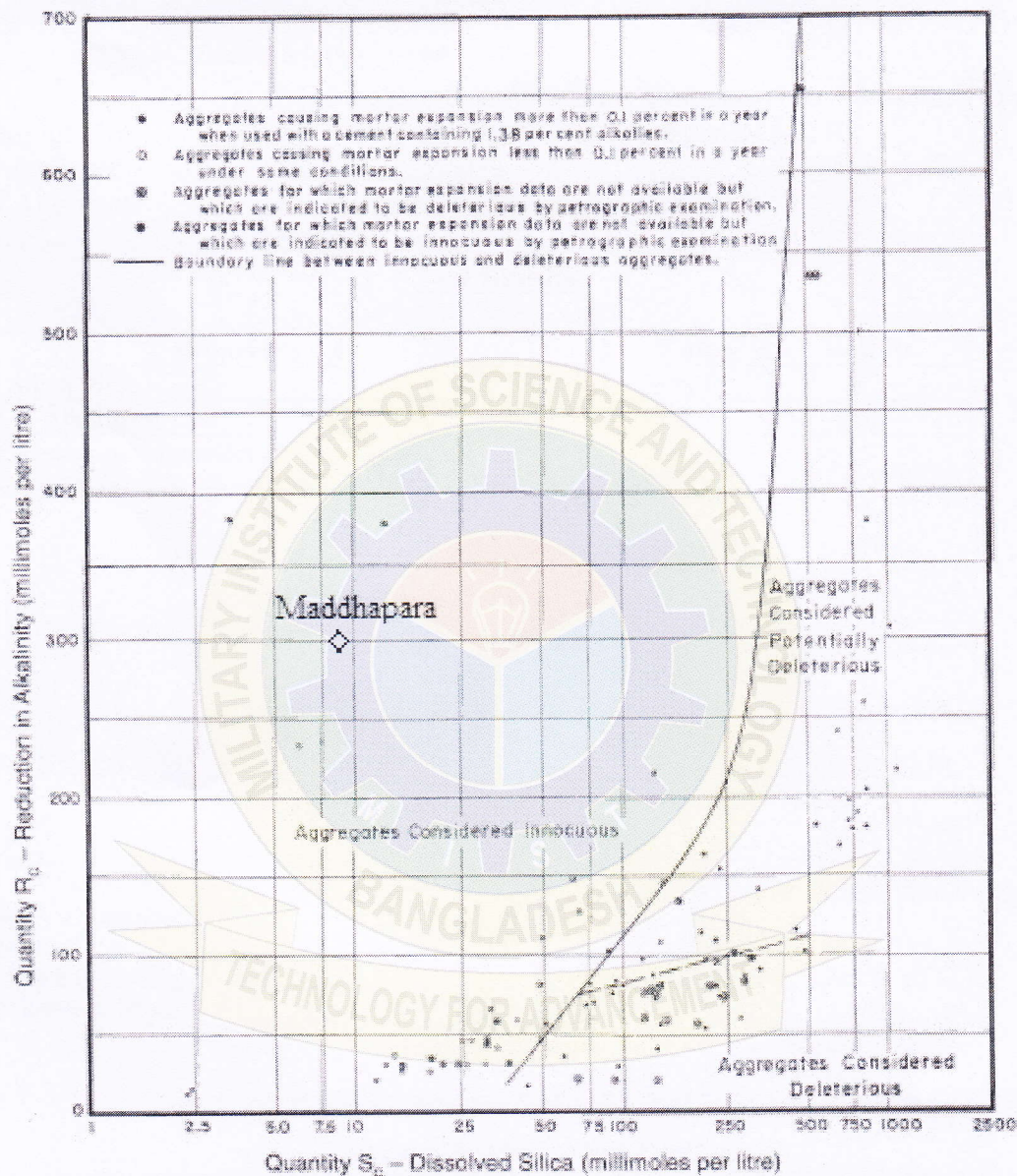


FIG. X1.1 Illustration of Division Between Innocuous and Deleterious Aggregates on Basis of Reduction in Alkalinity Test

Sadia

Rue

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Test for Soft Fragment in Aggregate

Ref No : 371/Tn/07/19 DT: 07.07.2019
Test Standard : ASTM C 123
Client : Maddhapara Granite Mining Company Ltd., Parbatipur, Dinajpur.
Sample Brought by : Mr. Kamruzzaman Himu, Manager (MS & R)
Type of Aggregate : Coarse Aggregate
Source of Aggregate : Maddhapara, Parbatipur, Dinajpur
Sample Status : Sealed
Nominal Aggregate Size : 19 mm
Heavy Liquid Used : Zinc Chloride

Test Summary

Dry Mass of Test Sample, g	Dry Mass of Particles that Float, g	Percentage by Mass of Coal & Lignite
3000	Nil	Nil

Test Result

Soft Fragment Content by Mass Nil

Test Supervised by

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Countersigned by

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