

Certificate of Examination BS EN 932-3:2022 Simplified Petrographic Description of Aggregate

Your ref. 4506937547
Client Cemex UK Materials Limited
National Technical Centre
The Old Cement Works
Long Itchington
Southam
Warwickshire
CV47 9RA

RSK sample ref. 20884/A1
Client sample ref. 1013 Doveholes
Sampled by/Date Client/Not advised
Date received 02.01.2024
Condition Wet
Examined by/Date IB/05.01.2024
Advised source Doveholes
Advised material grading 6.3/14 mm

SAMPLE

One bag approximately 5 kg in mass, advised to comprise 6.3/14 mm gravel from Doveholes, was received in our laboratory for examination. No indication of representativity was provided for the supplied sample.

METHODS OF EXAMINATION

A representative portion of the submitted sample was subjected to simplified petrographic description following methods given in BS EN 932-3:2022, Procedure and Terminology for Simplified Petrographic Description.

RESULTS

Results			
Aggregate designation	Limestone Gravel		
Constituents¹	Major	Minor	Trace
	Limestone	-	-
Shape	Very angular to angular	Roughness	Rough to moderately rough
Surface coating	Mud and limestone dust Very rare iron oxide staining on one particle	Roundness	Low to medium sphericity

NOTE

Based on UK experience, the above aggregate combination could be classified as potentially having low alkali-silica reactivity, in accordance with BRE Digest 3302. However, we would recommend a full high-power microscopical examination of a representative portion of the aggregate to clarify the alkali-silica reactivity potential of the sample. Precise petrographic identification of technical mineralogy and petrography for civil engineering or specific end uses requires further examination and is therefore excluded from the scope of this analysis.

Certificate prepared by



Imogen Barrett
Graduate Geomaterials Scientist

Certificate reviewed by



Dr Jennifer Murgatroyd
Senior Geomaterials Scientist

Date of issue: 08 January 2024

¹ Major ≥10%, minor 2- <10%, trace <2%.