Client:	**Amrize - Utelite Plant**	CTLGroup Project No:	**201522**
Project:	**ASTM C330 Qualification**	CTLGroup Project Mgr.:	**P. Vaddey**
Contact:	**Ken Nunley**	Technician:	**N/A**
Date:	**February 22, 2026**	Approved:	**B. Manaugh**

ASTM C330 Aggregate Testing Summary

Client Aggregate ID: **Structural Crushed Fines**

ASTM C330 Specification Requirements for Lightweight Aggregate				
Property	**Test Method**	**ASTM C330 Requirement**	**Result**	**Requirement Met?**
Gradation	ASTM C136	ASTM C330 Table 1 Fine Aggregate	See Report	**Yes**
Specific Gravity (SSD)	ASTM C128	--	1.85	**--**
Absorption	ASTM C128	--	20.6%	**--**
Organic Impurities	ASTM C40	No darker color upon test	No Impurities	**Yes**
Staining	ASTM C641	Stain Index of 60 or less	20	**Yes**
Loss on Ignition	ASTM C114	No greater than 5%	1.78%	**Yes**
Clay Lumps and Friable Particles	ASTM C142	No greater than 2% by dry mass	0.3%	**Yes**
Loose Bulk Density	ASTM C29	No greater than 70 lbs/ft^3	63 lbs/ft^3	**Yes**

Notes:

1) This report may not be reproduced except in its entirety. The report refers specifically to the submitted sample.

2) THIS REPORT IS NOT INTENDED FOR CONSTRUCTION OR SUBMITTAL

Client:	**Amrize - Utelite Plant**	CTLGroup Project No:	**201522**
Project:	**ASTM C330 Qualification**	CTLGroup Project Manager:	**P. Vaddey**
Contact:	**Ken Nunley**	Technician:	**T. Hercules**
Date Reported:	**February 2, 2026**	Approved:	**B. Manaugh**

ASTM C136 — Standard Test Method for Sieve Analysis of Fine and Coarse Aggregate

Client Sample ID	Structural Crushed Fines
CTLGroup Sample ID	6019904
Sample Source	Amrize - Utelite Plant
Aggregate Type	Fine Aggregate
Weight of Oven Dry Sample, g	376.86

Sieve Size	Retained on Individual Sieve, grams	Retained on Individual Sieve, %	Cumulative Retained on Sieve, %	Cumulative Passing Sieve, %	ASTM C330 4.75 mm to 0 Cumulative Passing Limits, %
⅜"	0.0	0.0	0.0	100.0	100
#4	22.6	6.0	6.0	94.0	85 - 100
#8	99.8	26.5	32.5	67.5	--
#16	89.6	23.8	56.3	43.7	40 - 80
#30	78.9	20.9	77.2	22.8	--
#50	45.9	12.2	89.4	10.6	10 - 35
#100	21.2	5.6	95.0	5.0	5 - 25
#200	18.0	4.8	99.8	0.2	--
Pan	0.8	0.2	100.0	0.0	--

Notes:

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2. The results refer specifically to the submited sample.
3. The test sample was received on January 12, 2026.
4. Testing was conducted on January 26, 2026.

Client:	**Amrize - Utelite Plant**	CTLGroup Project No:	**201522**
Project:	**ASTM C330 Qualification**	CTLGroup Project Manager:	**P. Vaddey**
Contact:	**Ken Nunley**	Technician:	**T. Hercules**
Date Reported:	**February 2, 2026**	Approved:	**B. Manaugh**

ASTM C128 — Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate

Client Sample ID	Structural Crushed Fines
CTLGroup Sample ID	6019904
Sample Source	Amrize - Utelite Plant

Relative Density (Specific Gravity) at OD[1]	1.54
Relative Density (Specific Gravity) at SSD[2]	1.85
Apparent Relative Density (Apparent Specific Gravity)	2.25

[1] *Oven Dry*

[2] *Saturated-Surface Dry*

Oven-Dry (OD) Density	95.5 lb/ft³
Saturated Surface Dry (SSD) Density	115.5 lb/ft³
Apparent Saturated Surface Dry (SSD) Density	140.0 lb/ft³

Absorption, %	20.6%

Notes:

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3. The test sample was received on January, 12, 2026.
4. Testing was conducted from January, 23, 2026 to January, 27, 2026.
5. Density was calculated on the basis of water at 75°F.

Client:	**Amrize - Utelite Plant**	CTLGroup Project No:	**201522**
Project:	**ASTM C330 Qualification**	CTLGroup Project Manager:	**P. Vaddey**
Contact:	**Ken Nunley**	Technician:	**T. Hercules**
Date Reported:	**February 2, 2026**	Approved:	**B. Manaugh**

ASTM C40 — Organic Impurities in Fine Aggregates for Concrete

Client Sample ID	Structural Crushed Fines
CTLGroup Sample ID	6019904
Sample Source	Amrize - Utelite Plant

Sample Reduction Method	Splitter
Procedure	Standard Color Solution

Results	**Organic Color Plate No. 1** **Does Not Contain Injurious Organic Impurities**

Test Results Interpretation (per Section 11.1):
When a sample subjected to this procedure produces a color darker than the standard color, Circular Disk No. 14 or Organic Plate No. 3 (Gardner Color Standard No. 14), the fine aggregate under test shall be considered to possibly contain injurious organic impurities. It is advisable to perform further tests before approving the fine aggregate for use in concrete.

Notes:

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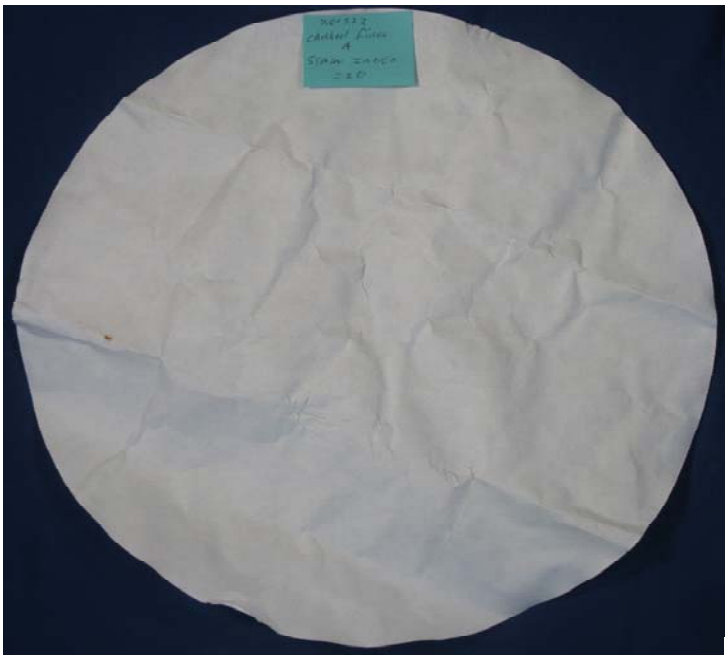
3. The test sample was received on January, 12, 2026.
4. Testing was conducted on January, 28, 2026.

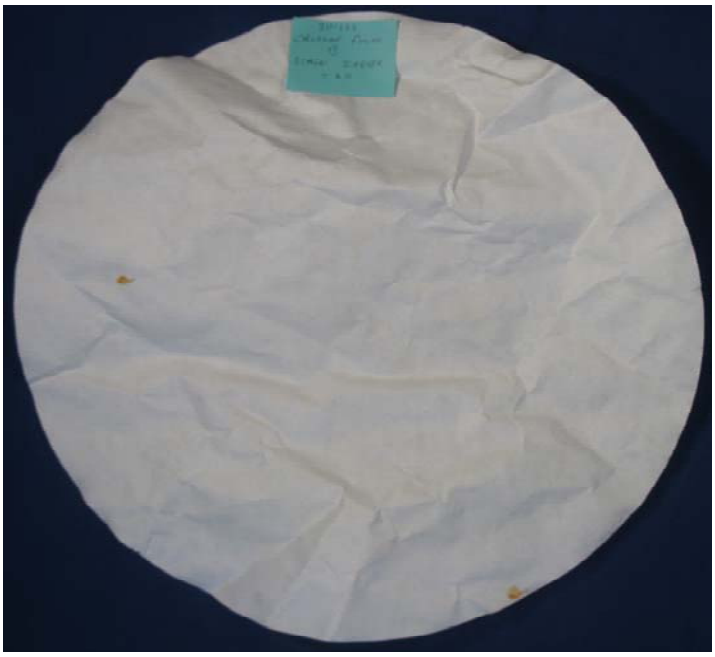
Client:	**Amrize - Utelite Plant**	CTLGroup Project No:	**201522**
Project:	**ASTM C330 Qualification**	CTLGroup Project Manager:	**P. Vaddey**
Contact:	**Ken Nunley**	Technician:	**T. Hercules**
Date Reported:	**February 2, 2026**	Approved:	**B. Manaugh**

ASTM C641
Standard Test Method for Iron Staining Materials in Lightweight Concrete Aggregate

Client Sample Identification	Structural Crushed Fines
CTLGroup Sample Identification	6019904
Sample Source	Amrize - Utelite Plant
Procedure	Visual Procedure

Stain Index	**20**





Notes:

1. Results refer specifically to the sample submitted.
2. Visual rating is based on standard index images presented in ASTM C641.
3. This report may not be reproduced except in its entirety.

Client:	**Amrize - Utelite Plant**	CTLGroup Project No:	**201522**
Project:	**ASTM C330 Qualification**	CTLGroup Project Manager:	**P. Vaddey**
Contact:	**Ken Nunley**	Technician:	**T. Hercules**
Date Reported:	**February 2, 2026**	Approved:	**B. Manaugh**

ASTM C142 — Standard Test Method for Clay Lumps and Friable Particles in Aggregates

Client Sample ID	Structural Crushed Fines
CTLGroup Sample ID	6019904
Sample Source	Amrize - Utelite Plant

Clay Lumps and Friable Particles	**0.3%**

Notes:

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3. The test sample was received on January, 12, 2026.
4. Testing was conducted on January, 29, 2026.

Client:	**Amrize - Utelite Plant**	CTLGroup Project No:	**201522**
Project:	**ASTM C330 Qualification**	CTLGroup Project Manager:	**P. Vaddey**
Contact:	**Ken Nunley**	Technician:	**T. Hercules**
Date Reported:	**February 2, 2026**	Approved:	**B. Manaugh**

ASTM C29 — Bulk Density ("Unit Weight") and Voids in Aggregates

Client Sample ID	Structural Crushed Fines
CTLGroup Sample ID	6019904
Sample Source	Amrize - Utelite Plant

Aggregate Type	Fine Aggregate
Procedure	Shoveling
Size of Measure	0.50 ft^3

Bulk Density	**63 lbs/ft^3**

Notes:

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3. The test sample was received on January, 12, 2026.
4. Testing was conducted on January, 26, 2026.