

Our reference – OPD/MRN26049/001
Date 30 March 2026

Woodplant Yard
Chelford Road
Marthall
WA16 8TB

For the attention of Kristian Knight Esq

Dear Mr Knight,

Re: Various Sand Testing, Weston Point Docks, West Road, Runcorn WA7 4HP

Further to your instructions the testing requested on the three number sand samples, submitted by yourselves, has now been completed.

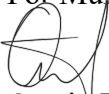
Please find attached the Celtest Ltd certificates of test relating to the samples submitted. A summary of the samples submitted and results is shown in the table below.

Sample Number	Sample Reference	Test	British Standard	Test Result	Report Number
6026901	WP M Grade 0/4	Chloride Ion Content (C)	BS EN 1744-1 : 2009 + A1 : 2012 : Clause 7 (Volhard method)	0.040%	TR 1205260
		Acid Soluble Sulfate	BS EN 1744-1 : 2009 + A1 : 2012 Clause 12	As SO ₃ 0.1% As SO ₄ 0.1%	TR 1205261
		Total Sulfur (S)	BS EN 1744-1 : 2009 + A1 : 2012 : Clause 11.2	0.1%	TR 1205262
		Drying Shrinkage	BS EN 1367-4 : 2008	0.033%	TR 1205263
		Shell Content (SC)	BS EN 933-7: 1998	0	TR 1205264
		Water Absorption & Particle Density	BS EN 1097-6: 2022 Clause 9.0	$\rho_{rd} = 2.62 \text{ Mg/m}^3$ $\rho_{ssd} = 2.63 \text{ Mg/m}^3$ $\rho_a = 2.65 \text{ Mg/m}^3$ WA ₂₄ = 0.5%	TR 1205265

6026902	WP F Grade	Chloride Ion Content	BS EN 1744-1 : 2009 + A1 : 2012 : Clause 7 (Volhard method)	0.037%	TR 1205266
		Acid Soluble Sulfate	BS EN 1744-1 : 2009 + A1 : 2012 Clause 12	As SO ₃ <0.1% As SO ₄ 0.1%	TR 1205267
		Total Sulfur	BS EN 1744-1 : 2009 + A1 : 2012 : Clause 11.2	<0.1%	TR 1205268
		Drying Shrinkage	BS EN 1367-4 : 2008	0.037%	TR 1205269
		Shell Content	BS EN 933-7: 1998	0	TR 1205270
		Water Absorption & Particle Density	BS EN 1097-6: 2022 Clause 9.0	$\rho_{rd} = 2.65 \text{ Mg/m}^3$ $\rho_{ssd} = 2.66 \text{ Mg/m}^3$ $\rho_a = 2.67 \text{ Mg/m}^3$ WA ₂₄ = 0.3%	TR 1205271
6026903	WP FPM Grade	Chloride Ion Content	BS EN 1744-1 : 2009 + A1 : 2012 : Clause 7 (Volhard method)	0.021%	TR 1205272
		Acid Soluble Sulfate	BS EN 1744-1 : 2009 + A1 : 2012 Clause 12	As SO ₃ 0.1% As SO ₄ 0.1%	TR 1205273
		Total Sulfur	BS EN 1744-1 : 2009 + A1 : 2012 : Clause 11.2	0.1%	TR 1205274
		Drying Shrinkage	BS EN 1367-4 : 2008	0.038%	TR 1205275
		Shell Content	BS EN 933-7: 1998	0	TR 1205276
		Water Absorption & Particle Density	BS EN 1097-6: 2022 Clause 9.0	$\rho_{rd} = 2.68 \text{ Mg/m}^3$ $\rho_{ssd} = 2.69 \text{ Mg/m}^3$ $\rho_a = 2.70 \text{ Mg/m}^3$ WA ₂₄ = 0.4%	TR 1205277

We trust the above and attached are satisfactory to yourselves. Should you require any further assistance, please do not hesitate to contact us.

Yours Faithfully
For Murray Rix



Owain Davies BA (Hons)
Director

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 10 March 2026
Test Report Ref: TR 1205260

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Water Soluble Chloride salt content in an aggregate sample in accordance with
BS EN 1744-1 : 2009 + A1 : 2012 : Clause 7 (Volhard method)

SAMPLE DETAILS:

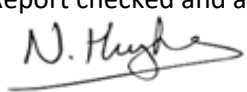
Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026901
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	10/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	JP
Material Description:	WP M Grade 0/4
Target Specification:	Unknown

RESULTS:

Chloride Content of aggregate (C) (%) = 0.040 (nearest 0.001)
95% Confidence limit 0.032% - 0.048%*

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

<p>Comments 95% confidence limit calculation:- Test Result \pm expanded uncertainty. <i>Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2.</i></p>	<p>Report checked and approved by:  Neil Hughes Assistant Technical Manager</p>
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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 10 March 2026
Test Report Ref: TR 1205261

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Acid Soluble Sulfate of an Aggregate Sample
in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 Clause 12**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026901
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	10/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	BN
Material Description:	WP M Grade 0/4
Target Specification:	Unknown

RESULTS:

Acid Soluble Sulfate Content (SO₃) (%) = 0.1 (nearest 0.1%)

*95% Confidence limit** = 0.09% - 0.11%

Acid Soluble Sulfate Content (SO₄) (%) = 0.1 (nearest 0.1%)

*95% Confidence limit** = 0.09% - 0.11%

Acid Soluble Sulfate Content (SO₃) (%) = 0.1114 (nearest 0.0001%)**

Acid Soluble Sulfate Content (SO₄) (%) = 0.1337 (nearest 0.0001%)**

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These results relate only to the items tested.

Comments

*95% confidence limit calculation:- Test Result ± expanded uncertainty.
Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2.
**Departure from specified procedure: additional reporting as SO₃ and SO₄ to 4 decimal places.

Report checked and approved by:



Mathew Sayer
Laboratory Operations Manager

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 09 March 2026
Test Report Ref: TR 1205262

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Total Sulfur Content of an Aggregate Sample in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 : Clause 11.2**

SAMPLE DETAILS:


Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026901
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	08/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	PG
Material Description:	WP M Grade 0/4
Target Specification:	Unknown

RESULTS:

Total Sulfur Content as S (%) =	0.1	(nearest 0.1%)
<i>95% Confidence limit*</i>	<i>0.06% - 0.14%</i>	
Total Potential Sulfate Content as SO₄ (%)** =	0.2	(nearest 0.1%)
Total Sulfur Content as S (%)** =	0.0583	(nearest 0.0001%)
Total Sulfur Content as SO₄ (%)** =	0.1749	(nearest 0.0001%)

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These results relate only to the items tested.

<p><u>Comments / Departure from specified Procedure</u> *95% confidence limit calculation:- Test Result ± expanded uncertainty. Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2. **Departure from specified procedure: additional reporting as S to 4 decimal places and SO₄. aa</p>	<p>Report checked and approved by:  Izabella Kantor CS Team</p>
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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 25 March 2026
Test Report Ref: TR 1205263

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Drying Shrinkage of aggregate sample in accordance with **BS EN 1367-4 : 2008**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026901
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	10/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	AF
Material Description:	WP M Grade 0/4
Target Specification:	Unknown

RESULTS:

Drying Shrinkage =	0.033 %
95% confidence limits =	±0.0051 %

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments

Source, type, and size, of aggregates used, if any, as the other components: low shrinkage coarse limestone from Halkyn Quarry.

Departure from specified procedure: Due to the unavailability of 42.5N CEM1 we are using 52.5N CEM1. Comparative testing has been performed and analysed to determine suitability for use.

Report checked and approved by:



Izabella Kantor
CS Team

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 16 March 2026
Test Report Ref: TR 1205264

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine Shell Content of Coarse Aggregate in accordance with
BS EN 933-7: 1998

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026901
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	08/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	JH
Material Description:	WP M Grade 0/4
Target Specification:	Unknown

RESULTS:

Shell Content (SC) (%) = 0

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments: None	Report checked and approved by:  Izabella Kantor CS Team
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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 13 March 2026
Test Report Ref: TR 1205265

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Particle Density and Water absorption for aggregate sample between 0.063mm and 4 mm, in accordance with
BS EN 1097-6: 2022 Clause 9.0

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026901
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	13/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	GO
Material Description:	WP M Grade 0/4
Target Specification:	Unknown

RESULTS:

Particle density on an oven-dried basis (ρ_{rd}) =	2.62 Mg/m ³
Particle density on a saturated and surface-dried basis (ρ_{ssd}) =	2.63 Mg/m ³
Apparent Particle density (ρ_a) =	2.65 Mg/m ³
Water absorption (of dry mass) (WA_{24}) =	0.5 %

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments: None	Report checked and approved by:  Izabella Kantor CS Team
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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 10 March 2026
Test Report Ref: TR 1205266

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Water Soluble Chloride salt content in an aggregate sample in accordance with
BS EN 1744-1 : 2009 + A1 : 2012 : Clause 7 (Volhard method)

SAMPLE DETAILS:


Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026902
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	10/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	JP
Material Description:	WP F Grade
Target Specification:	Unknown

RESULTS:

Chloride Content of aggregate (C) (%) = 0.037 (nearest 0.001)
*95% Confidence limit** 0.0296% - 0.0444%

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These results relate only to the items tested.

<p>Comments 95% confidence limit calculation:- Test Result \pm expanded uncertainty. <i>Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2.</i></p>	<p>Report checked and approved by:  Neil Hughes Assistant Technical Manager</p>
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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 10 March 2026
Test Report Ref: TR 1205267

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Acid Soluble Sulfate of an Aggregate Sample
in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 Clause 12**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026902
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	10/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	BN
Material Description:	WP F Grade
Target Specification:	Unknown

RESULTS:

Acid Soluble Sulfate Content (SO₃) (%) = <0.1 (nearest 0.1%)

*95% Confidence limit** = <0.09% - <0.11%

Acid Soluble Sulfate Content (SO₄) (%) = 0.1 (nearest 0.1%)

*95% Confidence limit** = 0.09% - 0.11%

Acid Soluble Sulfate Content (SO₃) (%) = 0.0473 (nearest 0.0001%)**

Acid Soluble Sulfate Content (SO₄) (%) = 0.0568 (nearest 0.0001%)**

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments

*95% confidence limit calculation:- Test Result ± expanded uncertainty.
Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2.
**Departure from specified procedure: additional reporting as SO₃ and SO₄ to 4 decimal places.

Report checked and approved by:



Mathew Sayer
Laboratory Operations Manager

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 09 March 2026
Test Report Ref: TR 1205268

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Total Sulfur Content of an Aggregate Sample in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 : Clause 11.2**

SAMPLE DETAILS:


Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026902
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	08/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	PG
Material Description:	WP F Grade
Target Specification:	Unknown

RESULTS:

Total Sulfur Content as S (%) =	<0.1	(nearest 0.1%)
<i>95% Confidence limit*</i>	<i><0.06% - <0.14%</i>	
Total Potential Sulfate Content as SO₄ (%)** =	0.1	(nearest 0.1%)
Total Sulfur Content as S (%)** =	0.0399	(nearest 0.0001%)
Total Sulfur Content as SO₄ (%)** =	0.1197	(nearest 0.0001%)

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These results relate only to the items tested.

<p><u>Comments / Departure from specified Procedure</u> *95% confidence limit calculation:- Test Result ± expanded uncertainty. Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2. **Departure from specified procedure: additional reporting as S to 4 decimal places and SO₄. aa</p>	<p>Report checked and approved by:  Izabella Kantor CS Team</p>
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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 25 March 2026
Test Report Ref: TR 1205269

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Drying Shrinkage of aggregate sample in accordance with **BS EN 1367-4 : 2008**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026902
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	10/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	AF
Material Description:	WP F Grade
Target Specification:	Unknown

RESULTS:

Drying Shrinkage =	0.037 %
95% confidence limits =	±0.0057 %

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments

Source, type, and size, of aggregates used, if any, as the other components: low shrinkage coarse limestone from Halkyn Quarry.

Departure from specified procedure: Due to the unavailability of 42.5N CEM1 we are using 52.5N CEM1. Comparative testing has been performed and analysed to determine suitability for use.

Report checked and approved by:



Izabella Kantor
CS Team

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 16 March 2026
Test Report Ref: TR 1205270

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine Shell Content of Coarse Aggregate in accordance with
BS EN 933-7: 1998

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026902
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	08/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	JH
Material Description:	WP F Grade
Target Specification:	Unknown

RESULTS:

Shell Content (SC) (%) = 0

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments: None	Report checked and approved by:  Izabella Kantor CS Team
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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 13 March 2026
Test Report Ref: TR 1205271

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Particle Density and Water absorption for aggregate sample between 0.063mm and 4 mm, in accordance with
BS EN 1097-6: 2022 Clause 9.0

SAMPLE DETAILS:


Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026902
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	13/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	GO
Material Description:	WP F Grade
Target Specification:	Unknown

RESULTS:

Particle density on an oven-dried basis (ρ_{rd}) =	2.65 Mg/m ³
Particle density on a saturated and surface-dried basis (ρ_{ssd}) =	2.66 Mg/m ³
Apparent Particle density (ρ_a) =	2.67 Mg/m ³
Water absorption (of dry mass) (WA_{24}) =	0.3 %

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

<p>Comments: None</p>	<p>Report checked and approved by:</p>  <p>Izabella Kantor CS Team</p>
----------------------------------	---

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 10 March 2026
Test Report Ref: TR 1205272

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Water Soluble Chloride salt content in an aggregate sample in accordance with
BS EN 1744-1 : 2009 + A1 : 2012 : Clause 7 (Volhard method)

SAMPLE DETAILS:


Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026903
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	10/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	JP
Material Description:	WP FPM Grade
Target Specification:	Unknown

RESULTS:

Chloride Content of aggregate (C) (%) = 0.021 (nearest 0.001)
95% Confidence limit 0.0168% - 0.0252%*

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

<p>Comments 95% confidence limit calculation:- Test Result \pm expanded uncertainty. <i>Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2.</i></p>	<p>Report checked and approved by:  Neil Hughes Assistant Technical Manager</p>
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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 10 March 2026
Test Report Ref: TR 1205273

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Acid Soluble Sulfate of an Aggregate Sample
in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 Clause 12**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026903
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	10/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	BN
Material Description:	WP FPM Grade
Target Specification:	Unknown

RESULTS:

Acid Soluble Sulfate Content (SO₃) (%) = 0.1 (nearest 0.1%)

*95% Confidence limit** = 0.09% - 0.11%

Acid Soluble Sulfate Content (SO₄) (%) = 0.1 (nearest 0.1%)

*95% Confidence limit** = 0.09% - 0.11%

Acid Soluble Sulfate Content (SO₃) (%) = 0.0776 (nearest 0.0001%)**

Acid Soluble Sulfate Content (SO₄) (%) = 0.0931 (nearest 0.0001%)**

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments

*95% confidence limit calculation:- Test Result ± expanded uncertainty.
Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2.
**Departure from specified procedure: additional reporting as SO₃ and SO₄ to 4 decimal places.

Report checked and approved by:



Mathew Sayer
Laboratory Operations Manager

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 09 March 2026
Test Report Ref: TR 1205274

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Total Sulfur Content of an Aggregate Sample in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 : Clause 11.2**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026903
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	08/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	PG
Material Description:	WP FPM Grade
Target Specification:	Unknown

RESULTS:

Total Sulfur Content as S (%) =	0.1	(nearest 0.1%)
<i>95% Confidence limit*</i>	<i>0.06% - 0.14%</i>	
Total Potential Sulfate Content as SO₄ (%)** =	0.2	(nearest 0.1%)
Total Sulfur Content as S (%)** =	0.0547	(nearest 0.0001%)
Total Sulfur Content as SO₄ (%)** =	0.1641	(nearest 0.0001%)

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These results relate only to the items tested.

Comments / Departure from specified Procedure

*95% confidence limit calculation:- Test Result ± expanded uncertainty.
Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2.
**Departure from specified procedure: additional reporting as S to 4 decimal places and SO₄.
aa

Report checked and approved by:



Izabella Kantor
CS Team

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 25 March 2026
Test Report Ref: TR 1205275

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Drying Shrinkage of aggregate sample in accordance with **BS EN 1367-4 : 2008**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026903
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	10/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	AF
Material Description:	WP FPM Grade
Target Specification:	Unknown

RESULTS:

Drying Shrinkage =	0.038 %
95% confidence limits =	±0.0059 %

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Comments

Source, type, and size, of aggregates used, if any, as the other components: low shrinkage coarse limestone from Halkyn Quarry.

Departure from specified procedure: Due to the unavailability of 42.5N CEM1 we are using 52.5N CEM1. Comparative testing has been performed and analysed to determine suitability for use.

Report checked and approved by:



Izabella Kantor
CS Team

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 16 March 2026
Test Report Ref: TR 1205276

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine Shell Content of Coarse Aggregate in accordance with
BS EN 933-7: 1998

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026903
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	08/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	JH
Material Description:	WP FPM Grade
Target Specification:	Unknown

RESULTS:

Shell Content (SC) (%) = 0

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These results relate only to the items tested.

Comments: None	Report checked and approved by:  Izabella Kantor CS Team
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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 13 March 2026
Test Report Ref: TR 1205277

Order No: 26/102

Page 1 of 1

Contract: Weston Point Docks, Runcorn

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Particle Density and Water absorption for aggregate sample between 0.063mm and 4 mm, in accordance with
BS EN 1097-6: 2022 Clause 9.0

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S141900
Client Ref. No:	6026903
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	05/03/2026
Date of Start of Test:	13/03/2026
Sampling Location:	Weston Point Docks, Runcorn
Name of Source:	Unknown
Method of Sampling:	Unknown
Sampled By:	Client (Test results apply to sample as received)
Tested By:	GO
Material Description:	WP FPM Grade
Target Specification:	Unknown

RESULTS:

Particle density on an oven-dried basis (ρ_{rd}) =	2.68 Mg/m ³
Particle density on a saturated and surface-dried basis (ρ_{ssd}) =	2.69 Mg/m ³
Apparent Particle density (ρ_a) =	2.70 Mg/m ³
Water absorption (of dry mass) (WA_{24}) =	0.4 %

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments: None	Report checked and approved by:  Izabella Kantor CS Team
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