



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

1736
 Dr. Umbreen

To: Brig. Saeed Ahmed Malik (Resident Engineer)
 NESPAK (Pvt.) Ltd. Lahore (Highways & Transportation Division)

Project: Constuction of Secuirty Plan for Ladies and Gents Entry and Exit at Shrine Hazrat Data Gunj Bakhs (RA) Lahore.

Our Ref. No. CL/CED/ 4783

Dated: 25-08-21

Test Specification

Your Ref. No. 4084/BSAM/104/452

Dated: 19-08-21

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: **12-08-21** Tested on: **24-08-21** in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
		DD	MM	YYYY								
1	(1:2:4)	6	6	2021	6Diax12	---	14	28.28	77	6099	---	Non Engraved
2	(1:2:4)	6	6	2021	6Diax12	---	14	28.28	94	7446	---	Non Engraved
3	(1:2:4)	6	6	2021	6Diax12	---	14	28.28	79	6257	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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 Dr. Umbreen

To: Brig. Saeed Ahmed Malik (Resident Engineer)
 NESPAK (Pvt.) Ltd. Lahore (Highways & Transportation Division)

Project: Constuction of Secuirty Plan for Ladies and Gents Entry and Exit at Shrine Hazrat Data Gunj Bakhs (RA) Lahore.

Our Ref. No. CL/CED/ 4784

Dated: 25-08-21

Test Specification

Your Ref. No. 4084/BSAM/104/454

Dated: 19-08-21

(ASTM C39)

COMPRESSION TEST REPORT



ONLINE REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: **12-08-21** Tested on: **24-08-21** in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
		DD	MM	YYYY								
1	(1:1.5:3)	17	6	2021	6Diax12	---	14.2	28.28	67+	#####	---	Non Engraved
2	(1:1.5:3)	17	6	2021	6Diax12	---	14.2	28.28	75	5941	---	Non Engraved
3	(1:1.5:3)	17	6	2021	6Diax12	---	14	28.28	83	6574	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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1775
 Dr. Umbreen

To: Mr. Umair Maqsood (SDO)
 Building Sub Division, Assembly, Lahore

Project: Construction of MPA Hostel (Phase -II) Lahore (Group No.2)

Our Ref. No. CL/CED/ 4785

Dated: 25-08-21

Test Specification

Your Ref. No. No.618

Dated: 13-08-21

(BS 1881-116)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: **23-08-21** Tested on: **24-08-21** in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Columns (1:1.5:3)	11	7	2021	6x6x6	---	8.5	36	65	4044	---	Engraved
2	Columns (1:1.5:3)	11	7	2021	6x6x6	---	8.8	36	57	3547	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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1775
 Dr. Umbreen

To: Mr. Umair Maqsood (SDO)
 Building Sub Division, Assembly, Lahore

Project: Construction of MPA Hostel (Phase -II) Lahore (Group No.2)

Our Ref. No. CL/CED/ 4786

Dated: 25-08-21

Test Specification

Your Ref. No. No.616

Dated: 13-08-21

(BS 1881-116)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 23-08-21 **Tested on:** 24-08-21 **in dry/wet condition**

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Column (1:1.5:3)	6	7	2021	6x6x6	---	8.4	36	65	4044	---	Non Engraved
2	Column (1:1.5:3)	6	7	2021	6x6x6	---	8.4	36	69	4293	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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1775
 Dr. Umbreen

To: Mr. Umair Maqsood (SDO)
 Building Sub Division, Assembly, Lahore

Project: Construction of MPA Hostel (Phase -II) Lahore (Group No.2)

Our Ref. No. CL/CED/ 4787

Dated: 25-08-21

Test Specification

Your Ref. No. No.617

Dated: 13-08-21

(BS 1881-116)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: **23-08-21** Tested on: **24-08-21** in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Retaining Wall (1:1.5:3)	7	7	2021	6x6x6	---	8.8	36	81	5040	---	Non Engraved
2	Retaining Wall (1:1.5:3)	7	7	2021	6x6x6	---	8.4	36	77	4791	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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1745
 Dr. Umbreen

To: Project Manager
 Q-Link Property Management (Pvt.) Ltd, Lahore.

Project: Construction of Jasmine Grand Mall, Bahria Town, Lahore.

Our Ref. No. CL/CED/ 4788

Dated: 25-08-21

Test Specification

Your Ref. No. QLC-BO-BH2-2021-58

Dated: 11-08-21

(ASTM C39)

COMPRESSION TEST REPORT



ONLINE REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 13-08-21 **Tested on:** 24-08-21 **in dry/wet condition**

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Raft Foundation (3000) Psi	9	7	2021	6Diax12	---	13.2	28.28	40	3168	---	Non Engraved
2	Raft Foundation (3000) Psi	9	7	2021	6Diax12	---	13.4	28.28	45	3564	---	Non Engraved
3	Raft Foundation (3000) Psi	9	7	2021	6Diax12	---	13.2	28.28	39	3089	---	Non Engraved
4	Raft Foundation (3000) Psi	9	7	2021	6Diax12	---	14	28.28	45	3564	---	Non Engraved
5	Footing Beam (3000) Psi	2	8	2021	6Diax12	---	13	28.28	46	3644	---	Non Engraved
6	Footing Beam (3000) Psi	2	8	2021	6Diax12	---	13.4	28.28	38	3010	---	Non Engraved
7	Footing Beam (3000) Psi	2	8	2021	6Diax12	---	14.2	28.28	42	3327	---	Non Engraved
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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Director/Dy. Director Concrete Laboratory



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1779
 Dr. Umbreen

To: Mr.M. Luqman (Manager Projects FMH)
 M/s Fatima Memorial Hospital, Lahore.

Project: Construction of New Building at Fatima Memorial Hospital, Lahore.

Our Ref. No. CL/CED/ 4789

Dated: 25-08-21

Test Specification

Your Ref. No. FMH/RAF/Con/08

Dated: 24-08-21

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: **24-08-21** Tested on: **25-08-21** in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	GF Slab (3000) Psi	15	7	2021	6Diax12	---	14	28.28	41	3248	---	Non Engraved
2	GF Slab (3000) Psi	15	7	2021	6Diax12	---	14	28.28	65	5149	---	Non Engraved
3	GF Slab (3000) Psi	15	7	2021	6Diax12	---	14	28.28	81	6416	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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1762
 Engr.Ubaid

To: M/s Tiaarat Developers (Pvt) Ltd. Lahore.
 Lahore.

Project: Nil

Our Ref. No. CL/CED/ 4790

Dated: 25-08-21

Test Specification

Your Ref. No. Nil

Dated: 20-08-21

(ASTM C39)

COMPRESSION TEST REPORT



ONLINE REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 20-08-21 Tested on: 25-08-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	9th Floor Slab	15	7	2021	6Diax12	---	12.6	28.28	34	2693	---	Non Engraved
2	9th Floor Slab	15	7	2021	6Diax12	---	13	28.28	36	2851	---	Non Engraved
3	9th Floor Column	11	7	2021	6Diax12	---	12.2	28.28	49	3881	---	Non Engraved
4	9th Floor Column	11	7	2021	6Diax12	---	13.2	28.28	49	3881	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

1748
 Engr.Ubaid

To: Resident Engineer
 Engineering Services Consultant (Pvt.) Ltd.

Project:

Our Ref. No. CL/CED/ 4791

Dated: 25-08-21

Test Specification

Your Ref. No. RE/ESC/CEA/2021-1

Dated: 11-08-21

(----)

COMPRESSION TEST REPORT



ONLINE REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 13-08-21 **Tested on:** 25-08-21 **in dry/wet condition**

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	15	---	---	---	8.7x4.2x2.7	2873	2575	36.54	43	2636	11.57	---
2	15	---	---	---	8.5x4.2x2.7	2992	2690	35.7	41	2573	11.23	---
3	15	---	---	---	8.7x4.1x2.7	2857	2568	35.67	55	3454	11.25	---
4	15	---	---	---	8.6x4.2x2.6	2914	2620	36.12	29	1798	11.22	---
5	15	---	---	---	8.6x4.1x2.7	2867	2565	35.26	50	3176	11.77	---
6	15	---	---	---	8.7x4.2x2.6	2949	2650	36.54	35	2146	11.28	---
7	15	---	---	---	8.7x4.2x2.7	2823	2530	36.54	52	3188	11.58	---
8	S11	---	---	---	8.7x4.1x2.7	3031	2735	35.67	50	3140	10.82	---
9	S11	---	---	---	8.6x4.2x2.6	2909	2605	36.12	48	2977	11.67	---
10	S11	---	---	---	8.7x4.2x2.7	3062	2760	36.54	45	2759	10.94	---
11	S11	---	---	---	8.7x4.2x2.6	2791	2515	36.54	49	3004	10.97	---
12	S11	---	---	---	8.6x4.1x2.8	2863	2580	35.26	49	3113	10.97	---
13	S11	---	---	---	8.7x4.2x2.7	2975	2685	36.12	49	3039	10.8	---
14	S11	---	---	---	8.6x4.1x2.6	2973	2687	35.26	48	3049	10.64	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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