



**TEXAS DEPARTMENT OF TRANSPORTATION**  
**RESISTANCE TO DEGRADATION BY WET BALL MILL METHOD**  
**Tex-116-E**

**To:** Gulf States Materials, Inc.  
 555 Sens Rd.  
 La Porte, Texas  
**Attn:** Don Brandon P.E.

**Date:** 1/23/2013  
**Report No.:** 12-C-0452-0007 page 1 of 1  
**Project:** Item 247 Material Acceptance Testing

SAMPLE ID:	12-175	SAMPLED DATE:	12/1/2012
TEST NUMBER:	1	LETTING DATE:	N/A
SAMPLE STATUS:	Completed	CONTROLLING CSJ:	N/A
COUNTY:	Harris	SPEC YEAR:	2004
SAMPLED BY:	Jason Lay	SPEC ITEM:	247
SAMPLE LOCATION:	Gulf States Materials, Inc.	SPECIAL PROVISION:	247-033
MATERIAL CODE:	N/A	GRADE:	N/A
MATERIAL NAME:	Calcium Sulfate Base Material (GS-100)		
PRODUCER:	Gulf States Materials, Inc.		
AREA ENGINEER:	N/A	PROJECT MANAGER:	N/A

COURSE\LIFT:	N/A	STATION	N/A	DIST. FROM CL:	N/A
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Original Dry Screen Gradation				Part I: 3500g Preparation		Part II: 3000g Preparation	
Sieve Size	Individual Weight Retained (g)	Individual Percent Retained	Cumulative Percent Retained	Individual Weight Retained (g)	Cumulative Weight Retained (g)	Individual Weight Retained (g)	Cumulative Weight Retained (g)
1-3/4"	0.0	0.0	0.0				
1-1/4"	207.6	5.0	5.0	173.3	173.3	148.6	148.6
7/8"	585.7	14.0	18.9	489.0	662.3	419.2	567.8
5/8"	607.2	14.5	33.4	507.0	1169.3	434.6	1002.4
3/8"	610.3	14.6	48.0	509.6	1678.9	436.8	1439.2
No.4	482.1	11.5	59.5	402.5	2081.4	345.0	1784.2
No.40	864.5	20.6	80.1	721.8	2803.2	618.7	2402.9
-No.4	834.3	19.9		696.6	3499.8	597.1	3000.0
Total:	4191.7			3499.8		3000.0	

**Part I: Wet Ball Mill**

Initial Weight	3500.0
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Sieve Size	Weight Retained (g)	Individual Percent
No.40	723.0	20.7
- No.40	2777.0	<b>79.3</b>

<b>Wet Ball Mill Value, %:</b>	<b>79</b>
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Remarks:

**Certification:** SB101 **Certification No.:**281

Test Method:	Tested By:	Tested Date:
TX116	Mike Melendez	1/18/13

Test Stamp Code:	Omit Test:	Completed Date:	Time:

Locked By:	TxDOT:	District:	Area:

Authorized By:	

HTS, Inc. Consultants




Firm Reg. No. F-3478