



CIVIL ENGINEERING LABORATORY



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SNA CIVIL AND STRUCTURAL ENGINEERS (PTY) LTD

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REG. NO. 2005/006128/07

SANAS accredited facility since 2007

TEST REPORT**REPORT NUMBER****24907****Client :** PLATINUM AGGREGATES (PTY) LTD**Address:** P.O. BOX 3687
RUSTENBURG
0300**Cell :** 082 905 5781**E-Mail:** Adri.Botha.gm@gmail.com
sales@platinumaggregates.co.za**ATTENTION:** ADRI BOTHA**Project/Order:** PLATINUM AGGREGATES**Brief :** GRAD**Date requested** : 14/03/2020**Date sampled** : **SAMPLED BY CLIENT****Date received** : 14/03/2020**Date Tested** :**Location of sampling** : PLATINUM AGGREGATES **"SUPPLIED BY CLIENT"****Sampling method/methods** : **SAMPLED BY CLIENT****Sampling plan** : **SAMPLED BY CLIENT****Sampled by** : **SAMPLED BY CLIENT****Sample number** : REFER TO TEST REPORT**Sample Condition/Description** : REFER TO TEST REPORT**Sample classification** : N/A**Sampling Environmental condition** : **SAMPLED BY CLIENT****Test Method/Methods used** : REFER TO TEST REPORT**Test done at** : SNALAB (PTA)**Deviation to test methods :** Deviations, exclusions or additions will be noted on test result sheets**Test/Tests marked # Not SANAS Accredited in this report are not included in the SANAS Schedule of Accreditation for this laboratory.**

The results relate only to the items tested. Any opinions, classifications, comments and interpretations do not fall within the scope of our SANAS accreditation.

This certificate is issued without any corrections what so ever.

Test report/reports shall not be reproduced except in full, without written approval of the Laboratory.

This test report relates only to samples received.

If the report is referred to as an INTERIM REPORT it is not fit for publication.

Terms and conditions of business are contained on the reverse side of the report.

Information above noted as **"Supplied by Client/Sampled by Client"** may effect the validity of the test results.

Justin Grobler
Assistant Laboratory Manager
Technical Signatory

19.03.2020

DATE ISSUED:

	Project :	PLATINUM AGGRGATES	Lab No :	24907
	Rd/St :		Client No :	1200
	Sect :		Date :	14/03/2020
	Km From :		To:	W.I.7.8.1(g)ii

G1 - 37.5 mm - SIEVE ANALYSIS AND FLAKINESS

SANS 3001-AG1 and AG4

Description : SAMPLE 1
G1 MATERIAL

SIEVE ANALYSIS.

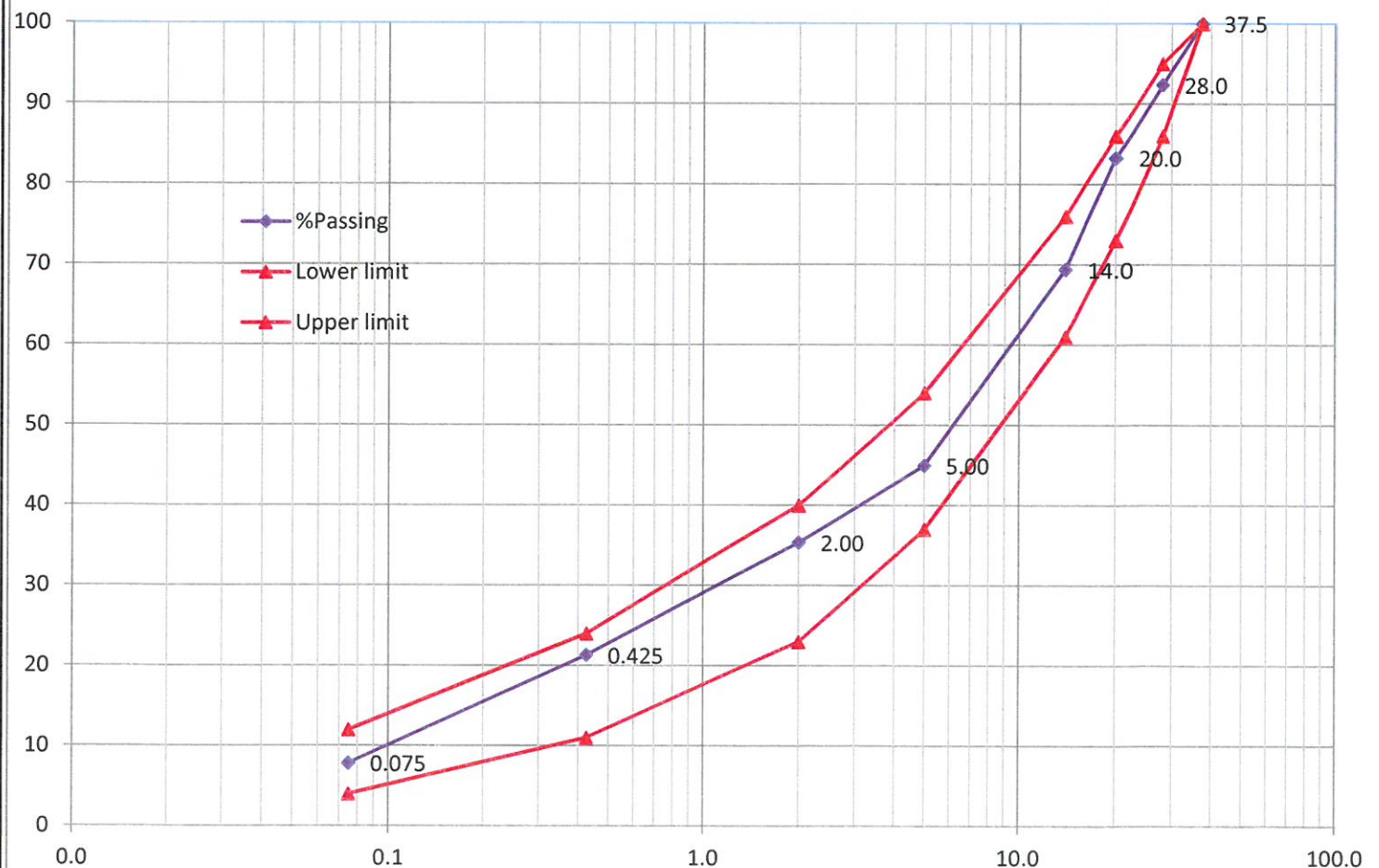
Dry mass (g)	2818.4		
Washed > 0,075	2597.8		
Passing 0,075	220.6		
Sieve (mm)/No	MASS RETAINED (g)	(%)	PASS. (%)
50.00			
37.50			100
28.00	214.9	7.6	92
20.00	256.2	9.1	83
14.00	391.5	13.9	69
5.00	688.0	24.4	45
2.00	270.9	9.6	35
0.425	396.0	14.1	21
0.075	380.3	13.5	8
PAN	220.6	7.8	
TOTAL	2818.4	100.0	

FLAKINESS INDEX -

Sieve mm		Slot width mm	Mass g		TOTAL FI %
Passing	Retained		Test	Passing slots g	
28.0	20.0	12.5			
20.0	14.0	10			

Notes :

Coarse sand ratio :	39.7	35% to 45%
-5.00 mm fraction :	45.0	40 % to 45 %
-2.00 mm fraction :	35.4	≤ 34%
-0.425 mm fraction :	21.3	≤ 22%
-0.075 mm fraction :	7.8	7 % to 9 %



REMARKS:

Tech :
Date :

19.03.2020



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Rd/St :

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Date : 14/03/2020

W.I.7.8.1(g)ii

G1 - 37.5 mm - SIEVE ANALYSIS AND FLAKINESS**SANS 3001-AG1 and AG4**

Description :

SAMPLE 2

G1 MATERIAL

SIEVE ANALYSIS.

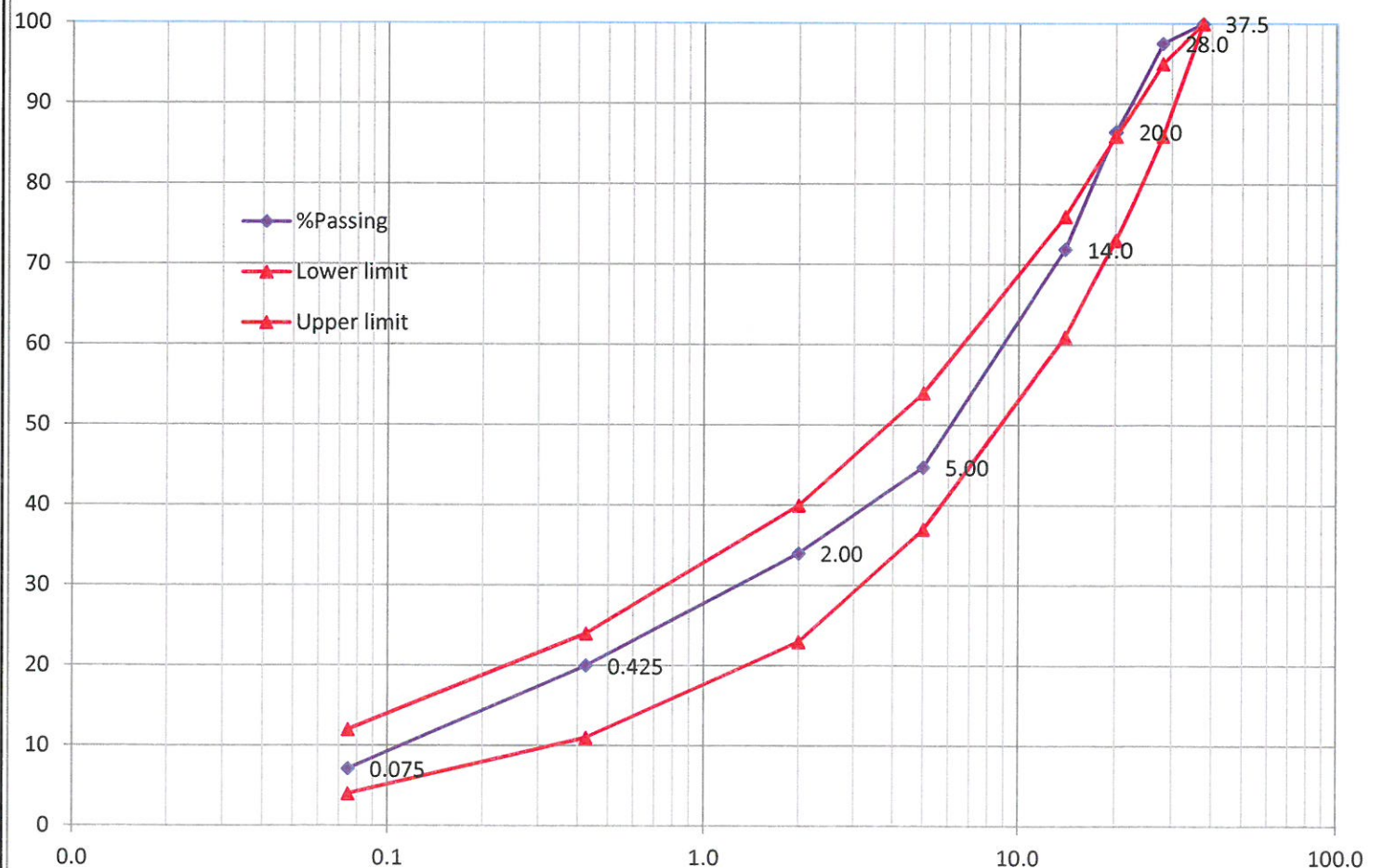
Dry mass (g)	2422.3		
Washed > 0,075	2250.1		
Passing 0,075	172.2		
Sieve (mm)/No	MASS RETAINED		PASS.
	(g)	(%)	(%)
50.00			
37.50			100
28.00	60.0	2.5	98
20.00	266.1	11.0	87
14.00	354.5	14.6	72
5.00	657.2	27.1	45
2.00	260.3	10.7	34
0.425	340.0	14.0	20
0.075	312.0	12.9	7
PAN	172.2	7.1	
TOTAL	2422.3	100.0	

FLAKINESS INDEX -

Sieve mm		Slot width mm	Mass g		TOTAL FI %
Passing	Retained		Test	Passing slots g	
28.0	20.0	12.5			
20.0	14.0	10			

Notes :

Coarse sand ratio :	41.3	35% to 45%
-5.00 mm fraction :	44.8	40 % to 45 %
-2.00 mm fraction :	34.0	≤ 34%
-0.425 mm fraction :	20.0	≤ 22%
-0.075 mm fraction :	7.1	7 % to 9 %



REMARKS:

Tech :

Date :

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	Km From :	To:	W.I.7.8.1(g)ii	

G1 - 37.5 mm - SIEVE ANALYSIS AND FLAKINESS

SANS 3001-AG1 and AG4

Description : SAMPLE 3
G1 MATERIAL

SIEVE ANALYSIS.

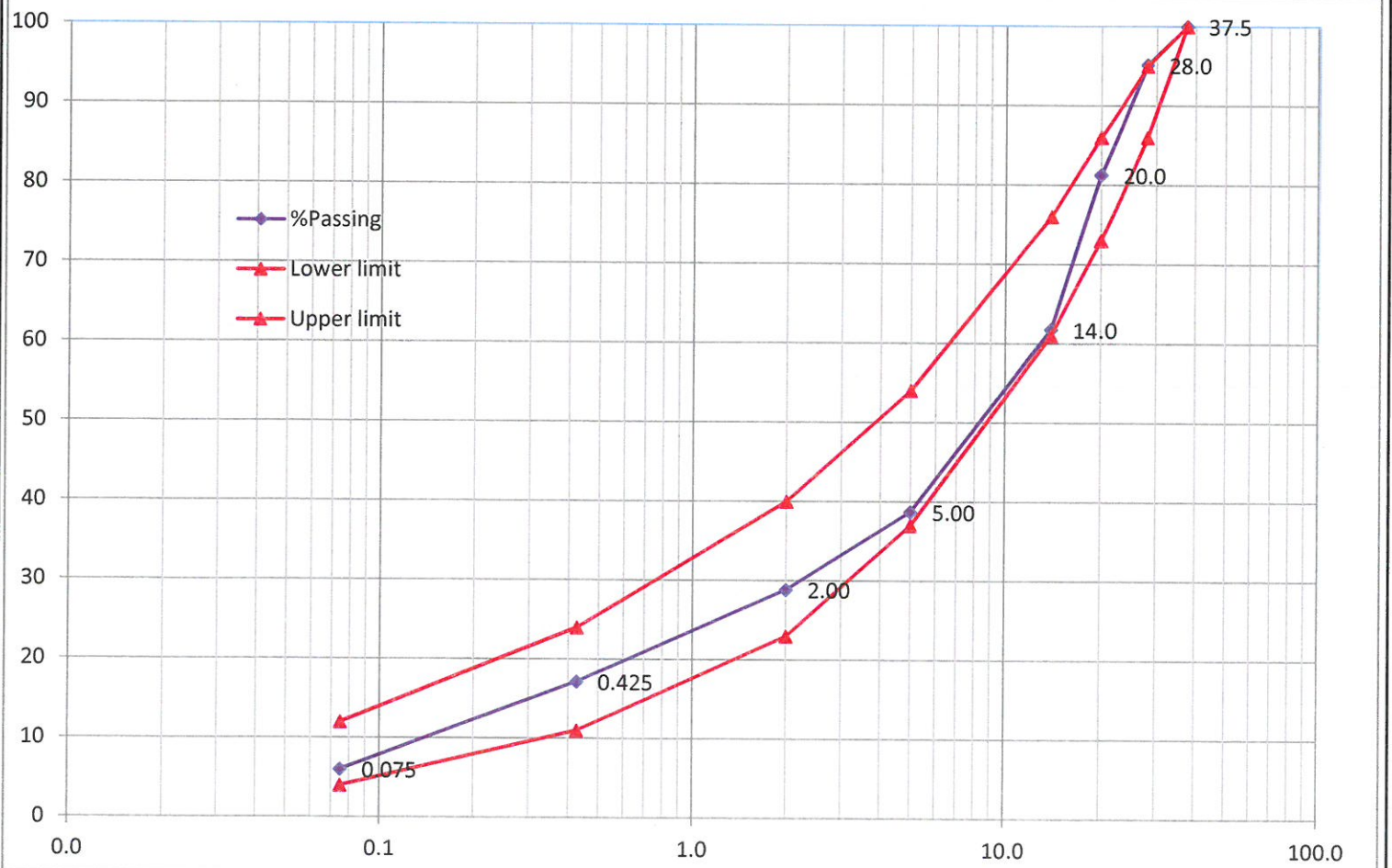
Dry mass (g)	2915.5		
Washed > 0,075	2740.1		
Passing 0,075	175.4		
Sieve (mm)/No	MASS RETAINED		PASS.
	(g)	(%)	(%)
50.00			
37.50			100
28.00	141.2	4.8	95
20.00	405.0	13.9	81
14.00	568.0	19.5	62
5.00	672.4	23.1	39
2.00	287.5	9.9	29
0.425	340.9	11.7	17
0.075	325.1	11.2	6
PAN	175.4	6.0	
TOTAL	2915.5	100.0	

FLAKINESS INDEX -

Sieve mm		Slot width mm	Mass g		TOTAL
Passing	Retained		Test	Passing slots g	
28.0	20.0	12.5			
20.0	14.0	10			

Notes :

Coarse sand ratio :	40.5	35% to 45%
-5.00 mm fraction :	38.7	40 % to 45 %
-2.00 mm fraction :	28.9	≤ 34%
-0.425 mm fraction :	17.2	≤ 22%
-0.075 mm fraction :	6.0	7 % to 9 %



REMARKS:

Tech :
Date :

19.03.2020



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Project : PLATINUM AGGRGATES

Rd/St :

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Lab No : 24907

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Date : 14/03/2020

W.I.7.8.1(g)ii

G1 - 37.5 mm - SIEVE ANALYSIS AND FLAKINESS

SANS 3001-AG1 and AG4

Description : SAMPLE 4
G1 MATERIAL

SIEVE ANALYSIS.

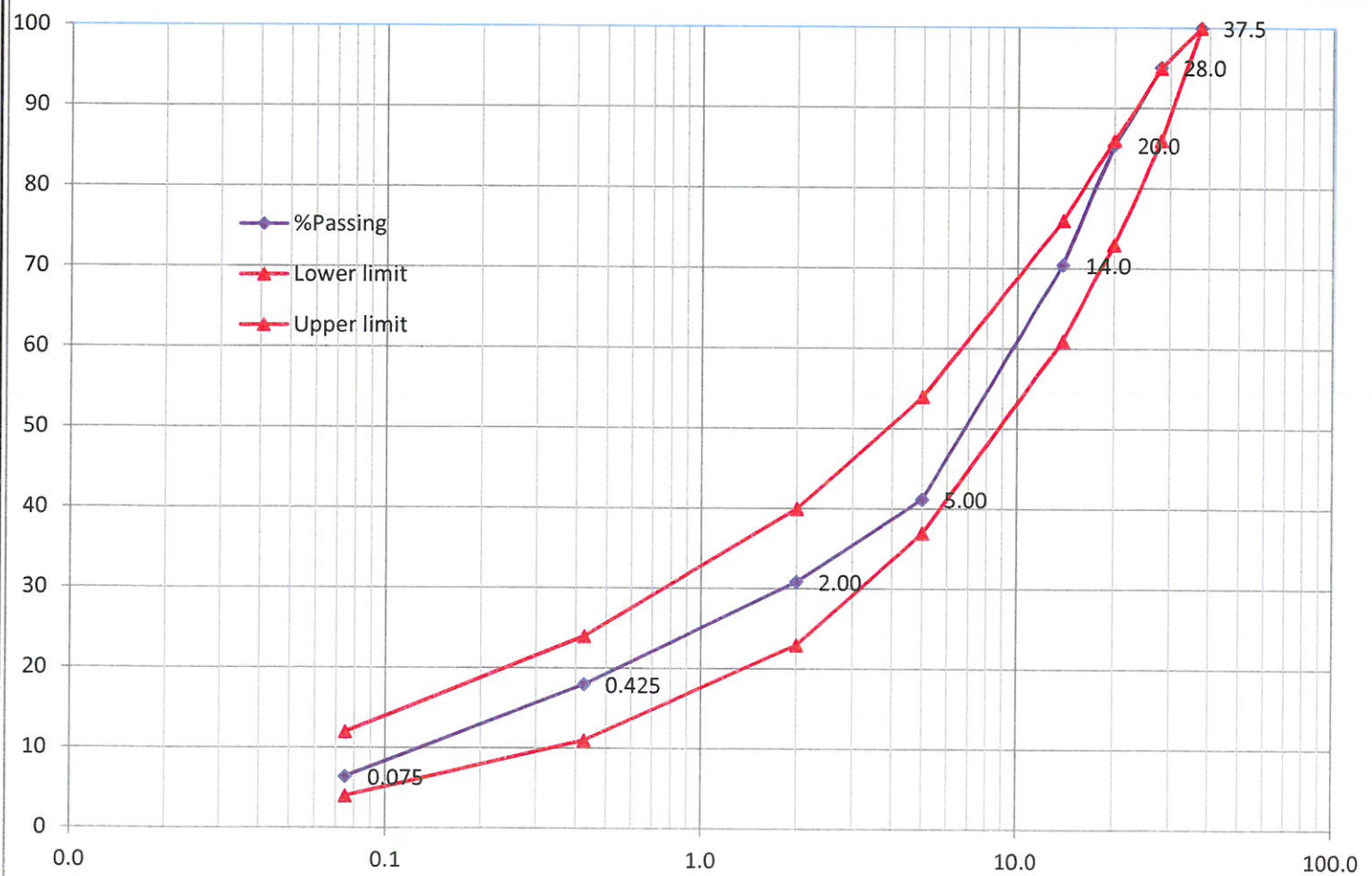
Dry mass (g)	2380.1		
Washed > 0,075	2227.3		
Passing 0,075	152.8		
Sieve (mm)/No	MASS RETAINED (g)	(%)	PASS. (%)
50.00			
37.50			100
28.00	116.8	4.9	95
20.00	230.5	9.7	85
14.00	355.5	14.9	70
5.00	696.0	29.2	41
2.00	246.4	10.4	31
0.425	306.8	12.9	18
0.075	275.3	11.6	6
PAN	152.8	6.4	
TOTAL	2380.1	100.0	

FLAKINESS INDEX -

Sieve mm		Slot width mm	Mass g		TOTAL FI %
Passing	Retained		Test	Passing slots g	
28.0	20.0	12.5			
20.0	14.0	10			

Notes :

Coarse sand ratio :	41.7	35% to 45%
-5.00 mm fraction :	41.2	40 % to 45 %
-2.00 mm fraction :	30.9	≤ 34%
-0.425 mm fraction :	18.0	≤ 22%
-0.075 mm fraction :	6.4	7 % to 9 %



REMARKS:

Tech :

Date :

19.03.2020

	Project : PLATINUM AGGRGATES		Lab No : 24907
	Rd/St :		Client No : 1200
	Sect :		Date : 14/03/2020
	Km From :		To: W.I.7.8.1(g)ii

G1 - 37.5 mm - SIEVE ANALYSIS AND FLAKINESS

SANS 3001-AG1 and AG4

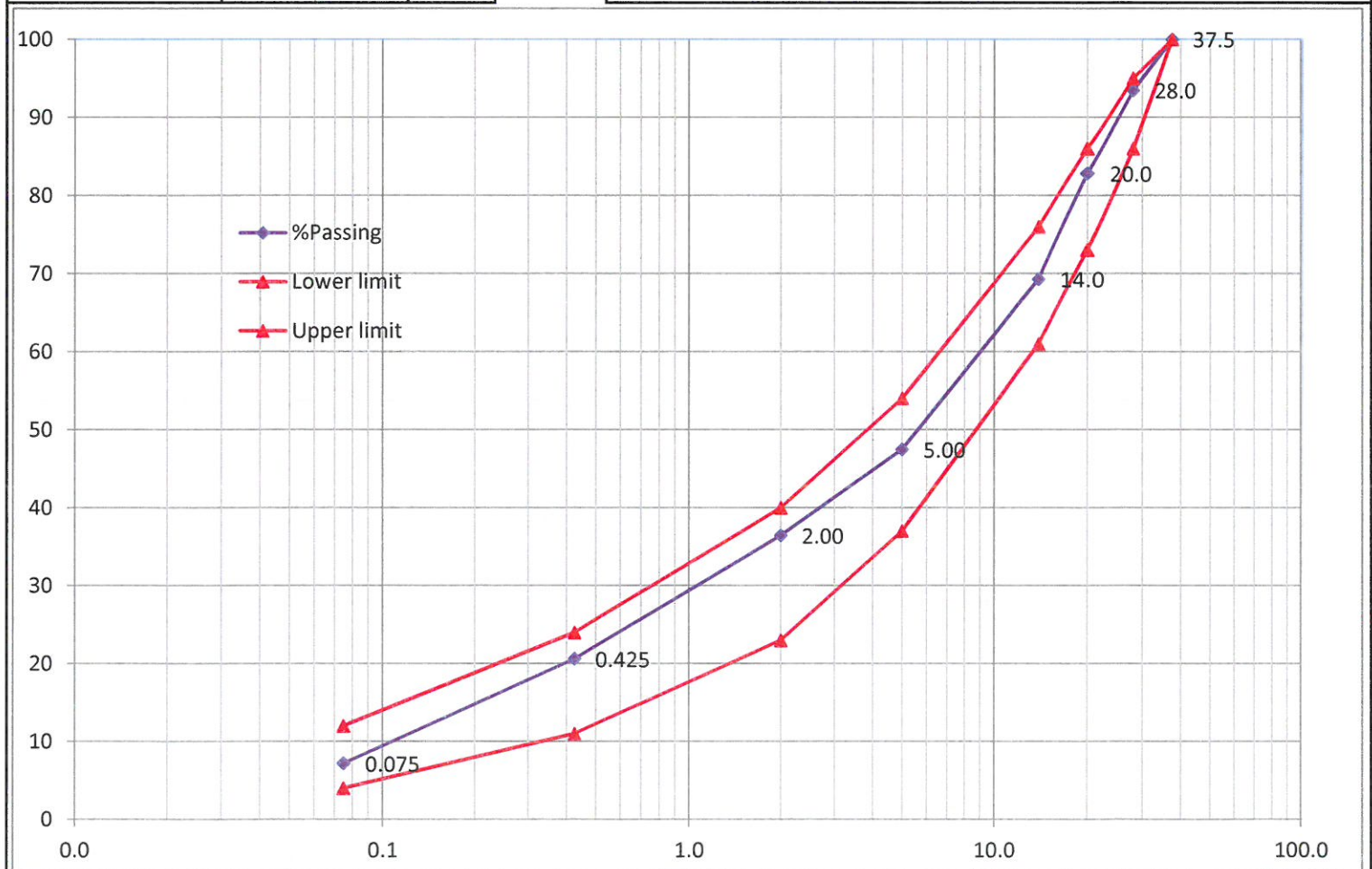
Description : **SAMPLE MIX (SAMPLE 1,2,3 &4)**
G1 MATERIAL

SIEVE ANALYSIS.			
Dry mass (g)	3876.5		
Washed > 0,075	3597.8		
Passing 0,075	278.7		
Sieve (mm)/No	MASS RETAINED		PASS.
	(g)	(%)	(%)
50.00			
37.50			100
28.00	253.5	6.5	93
20.00	412.6	10.6	83
14.00	524.2	13.5	69
5.00	845.6	21.8	47
2.00	428.1	11.0	36
0.425	613.0	15.8	21
0.075	520.8	13.4	7
PAN	278.7	7.2	
TOTAL	3876.5	100.0	

FLAKINESS INDEX -					
Sieve mm		Slot width mm	Mass g		TOTAL
			Test	Passing slots g	
Passing	Retained		FI %		
28.0	20.0		12.5		
20.0	14.0	10			

Notes :

Coarse sand ratio : 43.4 35% to 45%
 -5.00 mm fraction : 47.5 40 % to 45 %
 -2.00 mm fraction : 36.4 ≤ 34%
 -0.425 mm fraction : 20.6 ≤ 22%
 -0.075 mm fraction : 7.2 7 % to 9 %



REMARKS:	Tech :  Date : 19.03.2020
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