STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Dy. Chief Engineer (Civil)
For Incharch (Civil)
Sui Northern Gas Pipelines Limited.
Construction of Drainage System with Underground Water Tank and Pump Room for Rain Water Disposal at Regional Distribution Office Gujranwala.

Reference # CED/TFL **5707** (Dr. Ali Ahmed) Dated: 24-09-2024
Reference of the request letter # CC/D.R/GwJ Dated: 24-09-2024

Tension Test Report (Page -1/1)

Date of Test 26-09-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.368	3/8	0.371	0.11	0.108	3400	4500	68200	69320	90200	91800	1.30	16.3	
2	0.367	3/8	0.371	0.11	0.108	3400	4500	68200	69400	90200	91900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

Ref: CED/TFL/09/5708 Dated: 24-09-2024

Dated of Test: 26-09-2024

To

Advance Engineering & Chemical Services
Lahore.

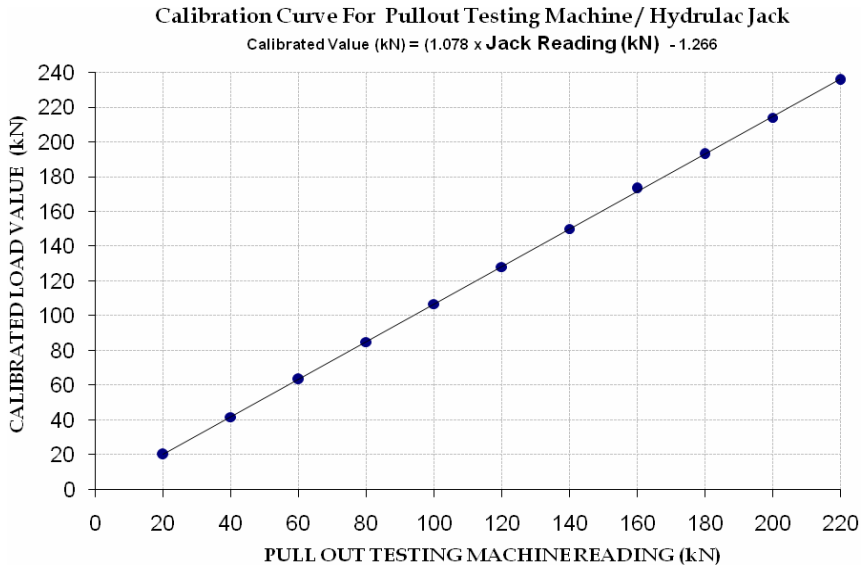
Subject: **- CALIBRATION OF PULL OUT TESTING MACHINE / HYDRAULIC JACK**

(MARK: TFL/09/5708)

Reference to your Letter No. ceo/24/35, Dated: 24/09/2024 on the subject cited above. One Pull Out / Hydraulic Jack Testing Machine as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 300 (kN)
Calibrated Range : Zero - 220 (kN)

Hydraulic Jack Reading (kN)		**20**	**40**	**60**	**80**	**100**	**120**	**140**	**160**	**180**	**200**	**220**
Calibrated Load	**(kg)**	**2050**	**4250**	**6450**	**8650**	**10900**	**13050**	**15300**	**17650**	**19650**	**21800**	**24000**
	(kN)	**20**	**42**	**63**	**85**	**107**	**128**	**150**	**173**	**193**	**214**	**235**



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Note:

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3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Project Manager
Premier Builders
Lyallpur Galleria 3 Near Nally Wala Pull Canal Road, Faisalabad.

Reference # CED/TFL **5709** (Dr. Ali Ahmed) Dated: 24-09-2024
Reference of the request letter # LG-3/008 Dated: 21-09-2024

Tension Test Report (Page -1/1)

Date of Test 26-09-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.365	3	0.370	0.11	0.107	3200	4500	64200	65770	90200	92500	1.20	15.0	Hunza Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Sub Divisional Officer
The Punjab Employees Social Security Institution, Lahore
(SSH Faisalabad)

Reference # CED/TFL **5710** (Dr. Ali Ahmed) Dated: 24-09-2024
Reference of the request letter # SS.DC(178)/367 Dated: 19-09-2024

Tension Test Report (Page -1/1)

Date of Test 26-09-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.367	3/8	0.371	0.11	0.108	3600	4900	72200	73480	98200	100100	1.20	15.0	
2	0.368	3/8	0.371	0.11	0.108	3600	4800	72200	73380	96200	97900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

3/8" Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Resident Engineer
Engineering Consultancy Services Punjab (Pvt) Limited.
Construction / Improvement / Rehabilitation of Road in Kakoana and Extension 215 RB
Length = 6.27 km (Taken Length = 4.27 km)

Reference # CED/TFL **5711** (Dr. Ali Ahmed) Dated: 24-09-2024
Reference of the request letter # ECSP/ADP/(2022-23)/FSD/355 Dated: 28-08-2024

Tension Test Report (Page -1/1)

Date of Test 26-09-2023

Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.373	3	0.374	0.11	0.110	3200	4800	64200	64300	96200	96500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Program Manager
Punjab Human Capital Investment Project, (PHCIP)
Burial PIT Construction.

Reference # CED/TFL **5714** (Dr. Ali Ahmed) Dated: 25-09-2024
Reference of the request letter # PIU-H/PHCIP/PM/733/2024 Dated: 25-09-2024

Tension Test Report (Page -1/1)

Date of Test 26-09-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.366	3	0.370	0.11	0.108	3600	4500	72200	73660	90200	92100	1.10	13.8	
2	0.366	3	0.370	0.11	0.108	3500	4500	70200	71610	90200	92100	1.20	15.0	
3	0.366	3	0.370	0.11	0.107	3500	4400	70200	71800	88200	90300	1.20	15.0	
4	0.368	3	0.371	0.11	0.108	3500	4400	70200	71380	88200	89800	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only four samples for tensile and two samples for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

#3 Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Manager Civil
Nishat Linen (Pvt) Limited
"Construction of Nishat Linen Fabric Godown Extension"

Reference # CED/TFL **5716** (Dr. Ali Ahmed) Dated: 24-09-2024
Reference of the request letter # NL/ST/001 Dated: 24-09-2024

Tension Test Report (Page -1/1)

Date of Test 26-09-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.396	10	9.78	0.12	0.116	4100	5400	75324	77580	99207	102200	1.00	12.5	Premier Steel
2	0.400	10	9.83	0.12	0.118	3800	5100	69812	71190	93696	95600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

10mm Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

Ref: CED/TFL/09/5717 Dated: 25-09-2024

Dated of Test: 26-09-2024

To

Manager – Planning & Coordination
Birudo Engiineers
765 kV Double Circuit Transmission Line Dasu - Mansehra, Lot-1

Subject: **- CALIBRATION OF LOAD CELL 1000 Ton.** (Page -1/1)

Reference to your Letter No. BE/2024/365, dated 23/09/2024 on the subject cited above. One Load cell (Model: DSZ-011, Sr. No. 2311206, Rated Capacity 1000 Tons) has been calibrated. The results are as under:

Calibrated Load (kN)	**150**	**1000**	**2000**	**3000**	**4000**	**5000**	**6000**	**7000**	**8000**	**9000**	**9500**	**9800**
Avg. Load Cell readnig (mV/V)	**37.05**	**247**	**494**	**741**	**988**	**1235**	**1482**	**1729**	**1976**	**2223**	**2346.5**	**2420.6**

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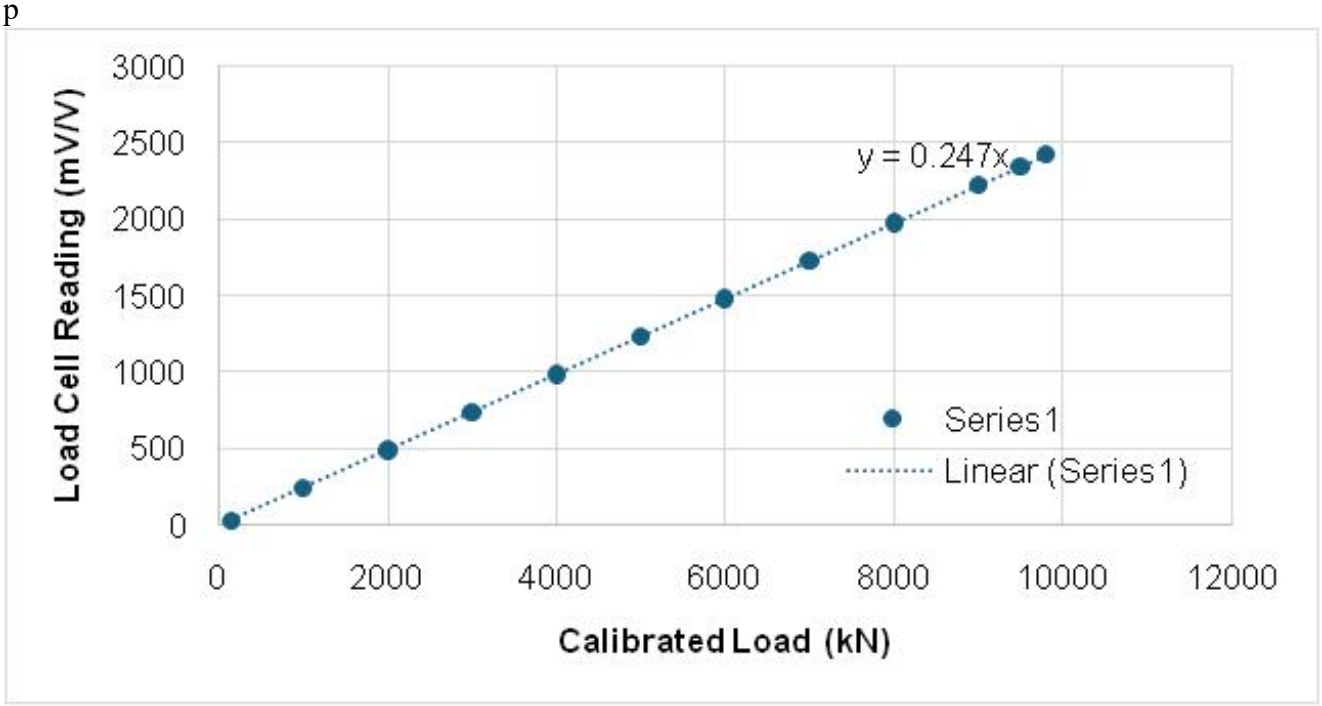

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Resident Engineer
Alied Engineering Consultants (Pvt) Ltd.
Construction of The Diabetes Centre Sahiwal.

Reference # CED/TFL **5718** (Dr. Ali Ahmed) Dated: 25-09-2024
Reference of the request letter # AEC/TDC/SWL/25 Dated: 25-09-2024

Tension Test Report (Page -1/1)

Date of Test 26-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.371	3	0.373	0.11	0.109	3900	5400	78200	78870	108200	109200	1.00	12.5	Pak Iron
2	0.372	3	0.373	0.11	0.109	3900	5400	78200	78570	108200	108800	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Site Construction Head
ABL – UML P-199 & 200
Allied Bank
Construction of ABL Upper Mall Lahore Plot No. 199, 200.

Reference # CED/TFL **5719** (Dr. Ali Ahmed) Dated: 26-09-2024
Reference of the request letter # ABL-UML-AMC-QAQC-90 Dated: 26-09-2024

Tension Test Report (Page -1/1)

Date of Test 26-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.361	3	0.368	0.11	0.106	3500	4700	70200	72610	94200	97500	1.00	12.5	FF Steel
2	0.367	3	0.370	0.11	0.108	3700	4800	74200	75680	96200	98200	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Coordinator, Quality Control
Aga Khan Agency for Habitat (AKAH)
Aga Khan Education Office (AKEO)
JKD Project Gilgit-Baltistan

Reference # CED/TFL **5718** (Dr. Ali Ahmed) Dated: 25-09-2024
Reference of the request letter # AEC/TDC/SWL/25 Dated: 25-09-2024

Tension Test Report (Page -1/1)

Date of Test 26-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3	0.371	0.11	0.108	3400	5200	68200	69180	104200	105800	1.00	12.5	
2	0.367	3	0.371	0.11	0.108	3400	5150	68200	69390	103200	105100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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3- Sealed sample / Unsealed sample / Marked sample/Signed Samples