

Analyte	Instrument	Result Value	Standard Unit	Z-Score
X MCH (Mean Corpuscular Hb)	Horiba Yumizen H550	36.30	pg	10.1
X MCHC (Mean Corpuscular Hb Concentration)	Horiba Yumizen H550	43.20	g/dL	7
X RDW CV%	Horiba Yumizen H550	29.40	%	3.1
! Erythrocyte (RBC) Count	Horiba Yumizen H550	1.82	10 ⁶ / μ L	-2.1
! MCV (Mean Corpuscular Volume)	Horiba Yumizen H550	84.10	fL	-2.1
! Hematocrit	Horiba Yumizen H550	15.30	%	-2.1

Legend @ : z score \leq 2.0 - Acceptable
 ! : 2.0 < z score < 3.0 - Warning
 X : z score \geq 3 - Unacceptable
 # : Not Evaluated
 ⊙ : Delayed Result Entry
 * : Not considered for evaluation.

Problem Classification: _____

Corrective Action: _____

Reviewed by: _____

Dated: _____

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ins
ology

Instrument : Horiba Yumizen H550

Analyte	Standard Unit	Result Value	Mean	Z-Score	RM
X MCH (Mean Corpuscular Hb)	pg	36.30	27.26	10.53	2.0
X MCHC (Mean Corpuscular Hb Concentration)	g/dL	43.20	25.63	7.20	2.0
X RDW CV%	%	29.40	18.53	3.96	1.0
! Erythrocyte (RBC) Count	mill/cu.mm	1.82	2.46	-2.03	-0.5
@ Total Leucocytes (WBC) count	/c.mm	3090.00	2687.88	0.83	-0.5
@ Haemoglobin	g/dL	6.60	6.75	-1.13	-0.5
! MCV (Mean Corpuscular Volume)	fL	84.10	106.16	-2.95	-1.0
@ Platelet Count	1000/ μ L	154.00	158.49	0.58	0.0
! Hematocrit	%	15.30	26.12	-2.96	-1.0

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score \geq 3 - Unacceptable

: Not Evaluated

⊙ : Delayed Result Entry

* : Not considered for evaluation.

Total Parameters	!
Not Evaluated Parameters	!
Evaluated Parameters	!
Outlier Parameters (X)	!
EQAS Score Haematology - CBC	66.67 %

Dr Puneet Kumar Nigam

Dr Puneet Kumar Nigam
PT coordinator & Technical Manager, MHL EQAS
Unit No. 409-416.
Commercial Building - 1A
Kohinoor Mall, Kiroi Road, Kurla (W),
Mumbai - 400070

Analyte	Instrument	Result Value	Standard Unit	Z-Score
X MCHC (Mean Corpuscular Hb Concentration)	Horiba Yumizen H550	39.10	g/dL	9.1
X RDW CV%	Horiba Yumizen H550	31.10	%	6.1
! MCV (Mean Corpuscular Volume)	Horiba Yumizen H550	90.00	fL	-2.1
! MCH (Mean Corpuscular Hb)	Horiba Yumizen H550	35.20	pg	2.1
! Hematocrit	Horiba Yumizen H550	20.10	%	-2.1

Legend @ : z score ≤ 2.0 - Acceptable
 ! : 2.0 < z score < 3.0 - Warning
 X : z score ≥ 3 - Unacceptable
 # : Not Evaluated
 ⊙ : Delayed Result Entry
 * : Not considered for evaluation.

Problem Classification: _____

Corrective Action: _____

Reviewed by: _____

Dated: _____

Instrument : Horiba Yumizen H550

Analyte	Standard Unit	Result Value	Mean	Z-Score	RI
X MCHC (Mean Corpuscular Hb Concentration)	g/dL	39.10	24.80	9.02	2.0
X RDW CV%	%	31.10	18.00	6.76	1.0
@ Erythrocyte (RBC) Count	mill/cu.mm	2.24	2.73	-1.47	-0.0
@ Total Leucocytes (WBC) count	/c.mm	7320.00	7841.43	-0.40	-0.0
@ Haemoglobin	g/dL	7.90	8.06	-0.74	-0.0
! MCV (Mean Corpuscular Volume)	fL	90.00	117.59	-2.47	-1.0
! MCH (Mean Corpuscular Hb)	pg	35.20	29.58	2.87	2.0
@ Platelet Count	1000/ μ L	252.00	271.07	-0.28	0.0
! Hematocrit	%	20.10	31.87	-2.63	-1.0

- Legend @ : Acceptable
 ! : 2.0 < z score < 3.0 - Warning
 X : z score \geq 3 - Unacceptable
 # : Not Evaluated
 ⊙ : Delayed Result Entry
 * : Not considered for evaluation.

Total Parameters	!
Not Evaluated Parameters	!
Evaluated Parameters	!
Outlier Parameters (X)	!
EQAS Score Haematology - CBC	77.78 %

PK Nigam

Dr Puneet Kumar Nigam
 PT coordinator & Technical Manager, MHL EQAS
 Unit No. 409-416.
 Commercial Building - 1A
 Kohinoor Mall, Kirol Road, Kurta (W),
 Mumbai - 400070



INTER LABORATORY COMPARISON RESULTS

Krsnaa Diagnostics Ltd,
Sultanpur Road Civil
Hospital Kapurthala
Pin Code- 144601

Sr. No	Date	Analyte Name	Barcode ID	Lab Result	Unit	I.L.C Lab Result	Unit	Acceptability Criteria	Observed CV %	Acceptability range	Result Acceptable Yes / No	Done by	Reviewed by
1	19/7/24	MCV	116323358	80.10	fL	80.60	fL	64.58 -96.12	16.02	-0.6%.	Yes	Bhu	Bal
2	19/7/24	MCHC	116323358	33.46	gm/dl	31.80	gm/dl	26.72 - 40.08	6.68	4.7%.	Yes	Bhu	Bal
3	19/7/24	MCH	116323358	26.70	Pg	25.70	Pg	21.36 -32.04	5.34	3.7%.	Yes	Bhu	Bal
4	19/7/24	PCV	116323358	37.50	%	39.80	%	30-45	7.5	-6.1%.	Yes	Bhu	Bal
5	19/7/24	RDW CV%	116323358	14.80	%	13.80	%	11.84 -17.76	2.96	6.7%.	Yes	Bhu	Bal
6	19/7/24	RBC	116323358	4.68	$\times 10^6/\mu l$	4.94	$\times 10^6/\mu l$	3.744 -5.616	0.936	-5.5%.	Yes	Bhu	Bal

Qualitative: Clinically comparable results shall be Concordance.
Clinically not comparable results shall be Disconcordance.

Quantitative: Acceptability: 10% (As per NABL 112)

Sign of Doctor

Issued by: Vinod Lankar *Vinod*
 Approved by: Dr. Manish Katrekar *Manish*
 Doc No: G1 N-01
 Version No: 1
 Issue Date: 01/03/2023
 Amend No: -
 Amend Date: -

Proficiency Testing Outlier Investigation Form

Laboratory Name :

Krsnaa Diagnostic PB Kapurthala

Date

17/7/24

Department

Haematology

Test Analyte

[MCV/MCHC/MCH
PCV | RDW CV% | RBC]

Reported Results

28/06/24

Acceptable Results

Sample receipt

Was the kit received in good condition?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Was the correct program/cycle received?

Was the kit stored at the proper temperature following receipt?

Sample Preparation:

Who Prepared sample?

Date Prepared

Bhawna

26/06/24

Was the correct reconstitution instruction followed (handling, time, temperature)?

Was a volumetric Class A (or calibrated) pipette used for reconstitution?

Was distilled or deionized water used for reconstitution?

Was the sample mixed according to the package insert prior to testing?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Processing:

Who processed test?

Date of processing

Bhawna

26/6/24

Was the correct sample number tested?

Was the sample at room temperature?

Was the person running the test current in their training?

Was the affected test run within the stability claim listed in the package insert?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reporting Results:

Who reported Results

Date reported

Bhawna

26/6/24

Issued by: Vinod Lonkar <u>Vinod</u>		Issue Date: 01/03/2023	
Approved by: Dr. Manish Karekar <u>Manish</u>		Amend No: --	
Doc No: GEN-03	Version No: 1	Amend Date	

- Was the test configuration correct (instrument, method and reagent)?
- Have the results been reported correctly (match instrument print out)?
- Was the correct unit reported?
- Was the decimal symbol placed correctly when reported?
- Was the reported result within the instrument's linear range?
- Was the calculation of the reported result done correctly?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Internal QC:

- Was IQC within an acceptable range on the day that the EQAS sample was run?
- Where there any shifts or trends in IQC just before/after the EQAS sample was run?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Con on the day on EQAS sample

Reading	MEAN	SD	CV	Z Score
level-I				
level-II				
level-III				

Previous month IQC

Mean	SD	CV	Z Score
level-I			
level-II			
level-III			

Previous three month EQAS reports

Z score	BIAS	RMZ
Month-I		
Month-II		
Month-III		

Calibration:

- Was the last calibration acceptable?
- Was the last calibration within the manufacturer's recommended dating?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reagent:

Reagent lot / exp.

Lot _____ Expiration _____

Issued by Vinod Lonkar *Vinod*

Issue Date 01.03.2023

Approved by Dr. Manish Karekar *Manish*

Doc No. GLN 03

Version No. 1

Amend No. --

Amend Date:



- Was the test reagent stored correctly?
- Was the test reagent properly prepared?
- Was the test reagent within manufacturer's dating?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Instrument:

- Was daily maintenance performed on the day that the EQAS sample was run?
- Was the person performing maintenance current on training?
- Was the instrument operating correctly on the day the sample was tested?
- Was the lab environment acceptable for the instrument (temperature, humidity, electrical, etc.)?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Retest:

Who retested sample? _____ Date tested _____

- Was the EQAS sample retested following receipt of EQAS sample report?
- If yes, was the result within acceptable limits for the EQAS sample?

YES	NO	NA
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

EQAS Evaluation:

- Inappropriate peer group or comparator?
- Inappropriate evaluation criteria, e.g. narrow limits due to use of a precise method or instrument

YES	NO	NA
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Issued by: Vinod Lonkar <i>Vinod</i>	Issue Date: 01/03/2023
Approved by: Dr. Manish Karekar <i>Manish</i>	
Doc No: GLEN 03	Version No: 1
Amend No: --	Amend Date: --



OP

Was the SOP followed correctly?

YES NO NA

staining performed and interpreted correctly?

YES NO NA

Interpretation of microscopic examination interpreted correctly?

YES NO NA

Lot Verification

Type of error Identified - *Sample Degenerated Due to High Temp.*
Root cause of the problem

Corrective Action → *glc Done.*

Signature and Name of Technologist / Section Head

[Handwritten Signature]

Review by QM / HO / TM: Sign and Name

Issued by Vinod Lonkar <i>[Signature]</i>		Issue Date 01-03-2023	
Approved by Dr. Manish Karekar <i>[Signature]</i>		Amend Date	
Doc No. GEN-03	Version No. 1	Amend No. --	Amend Date



Medical Laboratory Report

Patient Name : Smt JAGJIT KAUR
Age and Gender : 42 Years / Female
Category : OPD - PB KAPURTHLA
Referring Doctor : WALK IN
Sample Processed at : PB KAPURTHLA

Patient UID No : PRK240700087957
PRN No : PRK240700087957
Registered On : 15 Jul 2024 11:47
Sample UID No. 
116323358

BIOCHEMISTRY

Test Done	Observed Value	Units	Biological Reference Interval
RENAL FUNCTION TEST (RFT)			
Urea - Serum Urease, Kinetic	28.10	mg. / dl.	10.00 - 50.0
Creatinine - Serum Mod Jaffe	1.00	mg. / dl.	0.6 - 1.2
Uric Acid - Serum Uricase, Endpoint	5.74	mg. / dl.	2.5 - 6.8

HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
COMPLETE BLOOD COUNT			
Haemoglobin Photometric	12.50	g/dl	11.0 - 16.0
Total Leucocyte Count Electrical impedance	8.16	$\times 10^3 / \mu\text{L}$	4.0 - 11.0
Total Erythrocyte Count Electrical impedance	4.68	$\times 10^6 / \mu\text{L}$	3.5 - 5.5
Platelet count Electrical impedance	256.00	$\times 10^3 / \mu\text{L}$	150 - 450
MPV Electrical Impedence	10.90	fL	
PCT Electrical Impedence	0.28	%	
PDW Electrical Impedence	20.90	%	
R.B.C. Indices			

--- END OF REPORT ---



Yasmeen

DR. YASMEEN SINGH
(CONSULTANT PATHOLOGIST)

Sample Collected On : 15.07.2024 12:43
Results Authenticated : 15.07.2024 13:54


Sample Accepted On : 15.07.2024 12:44
Results Reported : 15.07.2024 14:01

E17034
Printed On : 15.07.2024 18:40



Medical Laboratory Report

Patient Name : Smt JAGJIT KAUR
Age and Gender : 42 Years / Female
Category : OPD - PB KAPURTHLA
Referring Doctor : WALK IN
Sample Processed : PB KAPURTHLA
at

Patient UID No : PRK240700087957
PRN No : PRK240700087957
Registered On : 15 Jul 2024 11:47
Sample UID No. 

116323358

COMPLETE BLOOD COUNT

P.C.V. Electrical impedance	37.50	%	35 - 48
M.C.V. Electrical Impedence	80.10	fL	82 - 95.0
M.C.H. Calculated	26.70	pg	25 - 33
M.C.H.C Calculated	33.40	gm/dl	33 - 37
R.D.W. CV Calculated	14.80	%	11.0 - 16.0

Differential W.B.C. Count

Neutrophils Cytochemistry & impedance/PS	68.30	%	40 - 70
Lymphocytes Cytochemistry & impedance/PS	24.30	%	20 - 45
Eosinophils Cytochemistry & impedance/PS	0.70	%	0 - 6
Monocytes Cytochemistry & impedance/PS	6.10	%	0 - 8
Basophils Cytochemistry & impedance/PS	0.60	%	0 - 1

Absolute Count

Absolute Neutrophil Count Calculated	5.54	$\times 10^3 / \mu\text{L}$	1.5 - 8.0
Absolute Lymphocyte Count Calculated	1.98	$\times 10^3 / \mu\text{L}$	



--- END OF REPORT ---

Yasmeen

DR. YASMEEN SINGH
(CONSULTANT PATHOLOGIST)

Sample Collected On : 15.07.2024 12:43
Results Authenticated : 15.07.2024 13:54

Sample Accepted On : 15.07.2024 12:44
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E17034
Printed On : 15.07.2024 16:40




Laboratory Diagnostics Services on Public Private Partnership Mode
Punjab Health Systems Corporations, Govt. of Punjab
with Krsnaa Diagnostics (Mohali) Pvt. Ltd.



Medical Laboratory Report

Patient Name : Smt JAGJIT KAUR
Age and Gender : 42 Years / Female
Category : OPD - PB KAPURTHLA
Referring Doctor : WALK IN
Sample Processed : PB KAPURTHLA
at

Patient UID No : PRK240700087957
PRN No : PRK240700087957
Registered On : 15 Jul 2024 11:47
Sample UID No. 

116323358

COMPLETE BLOOD COUNT

Absolute Eosinophil Count	0.06	$\times 10^3 / \mu\text{L}$	0.04 - 0.44
Whole blood Calculated			
Absolute Monocyte Count	0.50	$\times 10^3 / \mu\text{L}$	
Calculated			
Absolute Basophil Count	0.05	$\times 10^3 / \mu\text{L}$	
Calculated			

Peripheral Smear Findings

Abnormalities of Erythrocytes : Normocytic Normochromic
Abnormalities of Leucocytes : Within normal limits
Platelets on smear : Adequate

Fully automated 7 part hematology analyzer

CLINICAL PATHOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
ROUTINE EXAMINATION OF URINE			
PHYSICAL EXAMINATION (Sample : Urine)			
Quantity	15	ml.	
Colour	Pale Yellow		Pale Yellow
Deposit	Absent		Absent
Appearance	Clear		Clear
CHEMICAL EXAMINATION			
pH	5.0		4.60 - 8.00
Bromocresal Green			

--- END OF REPORT ---



Yasmeen

DR. YASMEEN SINGH
(CONSULTANT PATHOLOGIST)

Sample Collected On : 15.07.2024 12:43
Results Authenticated : 15.07.2024 13:54

Sample Accepted On : 15.07.2024 12:44
Results Reported : 15.07.2024 14:01

E17034
Printed On : 15.07.2024 16:40

Krsnaa Diagnostics (Mohali) Pvt. Ltd.
All Pathology Services
Helpline No.: 020 6814 6814 | 020 4695 4695 | 96233 96233 | Email : info@krsnadiagnostics.com






Laboratory Diagnostics Services on Public Private Partnership Mode
Punjab Health Systems Corporations, Govt. of Punjab
with Krsnaa Diagnostics (Mohali) Pvt. Ltd.



Patient Name : Smt JAGJIT KAUR
Age and Gender : 42 Years / Female
Category : IPD - PB KAPURTHLA
Referring Doctor : WALK IN
Sample Processed at : KDMPLCHPBJALANDHAR144001

Medical Laboratory Report

Patient UID No : PRK240700087957
PRN No : PRK240700087957
Registered On : 15 Jul 2024 14:30
Sample UID No.  114916008

HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
-----------	----------------	-------	-------------------------------

COMPLETE BLOOD COUNT

COMPLETE BLOOD COUNT (EDTA)

Haemoglobin Photometric	12.70	g/dl	11.0 - 16.0
Total Leucocyte Count Electrical impedance	7.46	$\times 10^3 / \mu\text{L}$	4.0 - 11.0
Total Erythrocyte Count Electrical impedance	4.94	$\times 10^6 / \mu\text{L}$	3.5 - 5.5
Platelet count Electrical impedance	253.00	$\times 10^3 / \mu\text{L}$	150 - 450
MPV Electrical Impedence	12.00	fl	7.8 - 11.0 fl
PCT Electrical Impedence	0.30	%	0.15 - 0.62
PDW Electrical Impedence	24.90	%	8.3 - 25.0
R.B.C. Indices			
P.C.V. Electrical impedance	39.80	%	35 - 48
M.C.V. Electrical Impedence	80.60	fL	82 - 95.0
M.C.H. Calculated	25.70	pg	25 - 33
M.C.H.C Calculated	31.80	gm/dl	33 - 37
R.D.W. CV Calculated	13.80	%	11.0 - 16.0
Differential W.B.C. Count			
Neutrophils Cytochemistry & impedance/PS	68.30	%	40 - 70
Lymphocytes Cytochemistry & impedance/PS	24.30	%	20 - 45
Eosinophils	0.70	%	0 - 6



MC-5672



Yasmeen

DR. YASMEEN SINGH
(CONSULTANT PATHOLOGIST)

--- END OF REPORT ---

Sample Collected On : 15.07.2024 14:39
Results Authenticated : 18.07.2024 11:20

Sample Accepted On : 18.07.2024 11:01
Results Reported : 18.07.2024 11:21

E18141
Printed On : 24.07.2024 15:58

Krsnaa Diagnostics (Mohali) Pvt. Ltd.
All Pathology Services
Helpline No.: 020 6814 6814 | 020 4695 4695 | 96233 96233 | Email : info@krsnadiagnostics.com





Laboratory Diagnostics Services on Public Private Partnership Mode
Punjab Health Systems Corporations, Govt. of Punjab
with Krsnaa Diagnostics (Mohali) Pvt. Ltd.

Medical Laboratory Report

Patient Name : Smt JAGJIT KAUR
Age and Gender : 42 Years / Female
Category : IPD - PB KAPURTHLA
Referring Doctor : WALK IN
Sample Processed at : KDMPLCHPBJALANDHAR144001

Patient UID No : PRK240700087957
PRN No : PRK240700087957
Registered On : 15 Jul 2024 14:30
Sample UID No. 
114916008

Test Done	HEMATOLOGY	Units	Biological Reference Interval
	Observed Value		
COMPLETE BLOOD COUNT			
Differential W.B.C. Count			
Cytochemistry & impedance/PS	6.10	%	0 - 8
Monocytes			
Cytochemistry & impedance/PS	0.60	%	0 - 1
Basophils			
Cytochemistry & impedance/PS		x 10 ³ /μL	1.5 - 8.0
Absolute Count	5.07		
Absolute Neutrophil Count		x 10 ³ /μL	1.02 - 3.55
Calculated	1.96		
Absolute Lymphocyte Count		x 10 ³ /μL	0.04 - 0.44
Calculated	0.09		
Absolute Eosinophil Count		x 10 ³ /μL	0.26 - 1.07
Whole blood	0.26		
Calculated		x 10 ³ /μL	0.02 - 0.10
Absolute Monocyte Count	0.04		
Calculated			
Absolute Basophil Count			
Calculated			
Peripheral Smear Findings			
Abnormalities of Erythrocytes	Normocytic Normochromic		
Abnormalities of Leucocytes	Within normal limits		
Platelets on smear	Adequate		

Yasmeen

DR. YASMEEN SINGH
(CONSULTANT PATHOLOGIST)



MC-5872

--- END OF REPORT ---

Sample Collected On : 15.07.2024 14:39
Results Authenticated : 18.07.2024 11:20

Sample Accepted On : 18.07.2024 11:01
Results Reported : 18.07.2024 11:21

E18141
Printed On : 24.07.2024 15:58