

**ENVIRONMENTAL LABORATORY (UNIT OF MINERAL  
ENGINEERING SERVICES LLP), BENGALURU**

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BENGALURU, Bengaluru Urban, Karnataka, India -  
560084

**Test REPORT AS PER : IS 15410 (2003)**

**QR Code/Barcode : 100001049861**

**REPORT NO : 10475186/2025/SS/5\_2**

DATE : 04 Aug, 2025

PART A. PARTICULARS OF SAMPLE SUBMITTED

a) Customer Name & Address	:	N S R DAIRY PRODUCTS SYNO.189/A2,A3,B1,B2,C,C1, H.No.1-192, Main Road, Oorugonda (Vil),, Atmakur (Mdl), Warangal Rural, Warangal District, OORUGONDA, WARANGAL RURAL, TELANGANA, INDIA - 506342
b) Nature of sample	:	SS
c) Grade/Variety/Type/Class Size etc	:	1 LITRE PET BOTTLES
d) Declare values, if any	:	Top: 0.1 mm, Middle: 0.1 mm, Bottom: 0.1mm
e) Batch No. & Date of Manufacture	:	trial Batch 01/
f) Quantity	:	48
g) Date of Receipt	:	30 Jun, 2025
h) BIS Seal	:	Verified by Sample Cell
i) IO's Signature	:	Verified by Sample Cell
j) Any other Information / Expiry Date, If any	:	-/19 Mar, 2026
k) Date of Commencement of Testing	:	01 Jul, 2025
l) Date of Completion of Testing	:	01 Aug, 2025
m) Section Code	:	25C4B4B, 25M4822
n) Section Report No.	:	25C4B4B_1, 25M4822_1
o) Report Type	:	New
p) Reference Report No.	:	
q) Remarks	:	--

**C Saraswathy**  
**OIC SAMPLE CELL**  
(Authorized Signatory)  
Authorized on: 04 Aug, 2025 15:47 PM

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PART B. SUPPLEMENTARY INFORMATION

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|--|----------------|
| 1. Reference to sampling procedure, wherever applicable.   | Not Applicable |
| 2. Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any. | No             |
| 3. Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any.   | No             |
| 3. NABL Report required ?  | No             |

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**Arshiya Kousar**  
**OIC Chemical**  
(Authorized Signatory)  
Authorized on: 01 Aug, 2025 15:51 PM

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## PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	Cl.4.6.7.2 and 4.6.7.3, Table 3, (ix)	Phthalic acid, bis(2- ethylhexyl) ester (DEHP)	-	-	-	-	<0.5
2	Cl.4.6.7.2 and 4.6.7.3, Table 3, (viii)	Antimony	-	-	-	-	<0.02
3	Cl.4.6.7.2 and 4.6.7.3, Table 3, (vii)	Zinc	-	-	-	-	<0.05
4	Cl.4.6.7.2 and 4.6.7.3, Table 3, (vi)	Manganese	-	-	-	-	<0.01
5	Cl.4.6.7.2 and 4.6.7.3, Table 3, (v)	Lithium	-	-	-	-	<0.01
6	Cl.4.6.7.2 and 4.6.7.3, Table 3, (iv)	Iron	-	-	-	-	<0.05
7	Cl.4.6.7.2 and 4.6.7.3, Table 3, (iii)	Copper	-	-	-	-	<0.05
8	Cl.4.6.7.2 and 4.6.7.3, Table 3, (ii)	Cobalt	-	-	-	-	<0.01
9	Cl.4.6.7.2 and 4.6.7.3, Table 3, (i)	Barium	-	-	-	-	<0.01
10	4.3	Manufacture, Workmanship, Finish & appearance	-	-	-	-	The body of the container is free from visual defects like cavities, cervices flaws, stains etc.,
11	4.2	Design Shape & Dimensions	-	-	-	-	Circular in shape & design Height 27.6 cm Diameter 6.3 cm. The PET Bottle are provided with pilfer proof Closure made of plastic.
12	4.6.4 (chem)	Drop Test	Shall pass the test	-	-	-	Passes the test.
13	Cl. 4.6.5 (chem)	Cl. 4.6.5 Overall migration (Caps)	mg/l	-	-	-	Migration test (for caps) a) Amount of extractive (mg/l) : 2.20 b) Amount of extractive (mg/dm <sup>2</sup> ) : 3.39 c) Colour migration : Migration of colour is not observed
14	4.1	Material	The material used for plastic containers shall be made of PE, PVC, PET and PBT or polypropylene or polycarbonate or polystyrene	-	-	-	PET

15	4.6.5 , IS: 9845:1998 (chem)	Migration- a. Amount of extractive	mg/l	-	-	-	Migration test (for container) a) Amount of extractive (mg/l) : 2.20 b) Amount of extractive (mg/dm2) : 0.38 c) Colour migration : Migration of colour is not observed
16	4.6.5 , IS: 9845:1998 (chem)	Migration- b. Amount of extractive	Maximum 10	-	-	-	Migration test (for container) a) Amount of extractive (mg/l) : 2.20 b) Amount of extractive (mg/dm2) : 0.38 c) Colour migration : Migration of colour is not observed
17	4.6.5 , IS: 9845:1998 (chem)	Migration of Caps - a. Amount of extractive	Maximum 60	-	-	-	Migration test (for caps) a) Amount of extractive (mg/l) : 2.20
18	4.6.5.1 (chem)	Colour migration (Caps)	Colour migration to simulant shall not be apparent to naked eye	-	-	-	Migration of colour is not observed.
19	4.6.6 (chem)	Water Potability test (after 30 days) (a) Taste (b) Odour	Water shall not acquire any unpleasant odour or bitter taste when stored in container for 30 days	-	-	-	i) Odour : Agreeable ii) Taste : Agreeable

**Arshiya Kousar**  
**OIC Chemical**  
 (Authorized Signatory)  
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PART D. REMARKS

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**Arshiya Kousar**  
**OIC Chemical**  
(Authorized Signatory)  
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PART B. SUPPLEMENTARY INFORMATION

- |  |                |
|--|----------------|
| 1. Reference to sampling procedure, wherever applicable.   | Not Applicable |
| 2. Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any. | No             |
| 3. Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any.   | No             |
| 3. NABL Report required ?  | No             |

**M.Sachin Raju**  
**OIC Mechanical**  
(Authorized Signatory)  
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## PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	4.3	Manufacture, Workmanship, Finish & appearance	-	-	-	-	The body of the container is free from visual defects like cavities, services flaws, stains etc.,
2	4.6.5.1.a	Colour migration Test (Container)	Shall not exceed 10 mg/dm <sup>2</sup> or 60 mg/ltr	-	-	-	Migration of colour is not observed.
3	Cl. 4.4 (a)	Capacity	ml	-	-	-	1027
4	Cl. 4.5	Cl. 4.5 Wall Thickness (Middle)	mm	-	-	-	0.182
5	Cl. 4.5	Cl. 4.5 Wall Thickness (Bottom)	mm	-	-	-	0.149
6	4.1	Material	The material used for plastic containers shall be made of PE, PVC, PET and PBT or polypropylene or polycarbonate or polystyrene	-	-	-	PET
7	4.5, IS: 2798:1998	Wall thickness- Top, in mm	-2% of the declared value, No tolerance on the plus side	-	-	-	0.183
8	4.6.2 Annex A	Transparency	Not less than 85% in Light transmittance.	-	-	-	87.8
9	4.6.3, clause 6 of IS:2798:1998	Leakage test- a. Closure leakage	No leakage shall be observed	-	-	-	Passes the test.
10	4.6.3, clause 6 of IS:2798:1998	Leakage test- b. Vibration leakage	No leakage shall be observed	-	-	-	Passes the test.
11	4.6.3, clause 6 of IS:2798:1998	Leakage test- c. Air pressure leakage	No leakage shall be observed	-	-	-	Passes the test.

**M.Sachin Raju**  
**OIC Mechanical**  
 (Authorized Signatory)  
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PART D. REMARKS

No deviation from the test request.

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**M.Sachin Raju**  
**OIC Mechanical**  
(Authorized Signatory)  
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