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|  | ACCREDITATION DOCUMENT | F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 091 |
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Accreditation No: LAB 091

Awarded to

**Quality Control Laboratory
FrieslandCampina Engro Pakistan, Sukkur Plant
Near Chohara Mandi Rohri, District Sukkur**

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **30-07-2015** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

The accreditation requires regular surveillance, and is valid until **14-03-2027**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

PAKISTAN NATIONAL ACCREDITATION COUNCIL

27-06-2024

Date

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Director General

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Testing Laboratory.

Accreditation Scope of Friesland Campina Engro Pakistan Limited, Sukkur
Near Sukkur Barrage sukkur

Permanent laboratory premises

| Materials/Products tested | Testing field (e.g. environmental testing or mechanical testing) | Types of test/ Properties measured | Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference |
|--|--|--|--|
| UHT Milk | Chemical Testing | pH | IDF Standard 115A: 1989 pH Meter Manual |
| | Chemical Testing | Total Solid i. Fat ii. Solid Non Fat (SNF) | Funke Gerber Manual Milk Processing Guide Series Volume 2 International Journal of Engineering and Applied Sciences PS: 4873-2008 |
| | Chemical Testing | Fat | Milk Processing Guide Series Volume 2 Funke Gerber Manual PS: 4873-2008 |
| | Chemical Testing | Total Protein | ISO 8968-2 IDF 20-1, IDF 20-2, IDF 20-3 and ISO 8968-4 IDF 20- 4, 2nd Edition 2016-04-01 with laboratory modification. |
| Milk Powder / Raw Milk / Pasteurized Milk/UHT Milk | Microbiological testing | Total plate Count | ISO 4833:2013 International Standard |
| Milk Powder | Chemical Testing | Moisture Test | IS/ 16072 : 2012 |
| | Chemical Testing | Ash | ADMI, Standards for grades of dry milk, bulletin 916, revised 1990 Laboratory modification |

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|----------------------------------|---|---|---|
| Milk Powder | Microbiological testing | Eb's | IS/ISO 21528-2:2017E International Standard |
| Milk Powder | Microbiological testing | Yeast & Moulds | IS/ISO 6611:2004 International Standard |
| | | Hardness | EDTA titration method HI- 3812 |
| | | FOG | Standard Methods for the Examination of Water and Wastewater 23rd Edition (2017) Published, Method 5520 B, page: 2-4 with laboratory modification and validation. |
| | | COD | COD Vials method. |
| | | Alkalinity | 2320 B of Standard Methods for the Examination of Water and Wastewater, 23rd Edition with Laboratory modification and validation. |
| | | Conductivity | Conductivity meter manual |
| | | TDS | Conductivity meter manual |
| Water | Chemical Testing | Total Suspended Solids (TSS) | Standard Method for the Examination of Water and Wastewater 23rd Edition (2017).Method: 2540D |

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Director