

# ACCREDITATION DOCUMENT

## TEST 186

**Qarshi Research International (Pvt) Ltd, Laboratories**  
56/1-4, Hattar Industrial Estate, Dist Haripur, NWFP, Pakistan

The scope of accreditation is P12 Chemical analysis, P16 Microbiological analysis and P99 Other technical areas in accordance with the specifications on the following pages in this document.

The accreditation was initially granted 21.04.2004 and is given according to Parliamentary Proposition no. 106 (1989/1990) and the Statutes of Norwegian Accreditation , established by Royal Decree of 7th October 1993

The organisation complies with the requirements in NS-EN ISO/IEC 17025 (2005)

The accreditation requires regular surveillance, and is valid until 29.05.2014.  
The decision of accreditation made by Norwegian Accreditation implies that the organisation has been found to fulfil the requirements for accreditation within the scope.  
The organisation itself is responsible for the results of performed measurements.

NORWEGIAN ACCREDITATION

Administrative/geographical unit:

**Qarshi Research International (Pvt) Ltd, Laboratories**

### Permanent facility

#### P12 Chemical analysis

Object	Parameter	Reference standard	Identity of internal method	Comments
Pharmaceutical dosage forms, Water, Natural Health Supplements, Food and Farm Products	Cr, Mg, Ni, Cd, Ca, Pb, Sb, Zn, Fe, Cu, Na, K and Mn	Internal method	TEC-IPL-STM-01 & 02 TEC-IPL-WI-16 TEC-IPL-SMS-01	FAAS method Sample preparation according to AOAC, 1990, 15th Edition, page 42
Sugar/Sucrose	Calorimetric analysis	Internal method	TEC-IPL-STM-03 TEC-IPL-WI-19	Uniform methods of chemical control for Pakistan Sugar Factories by Pakistan Society of Sugar Technologists
Sugar/Sucrose	Turbidity	Internal method	TEC-IPL-STM-04 TEC-IPL-WI-19	Uniform methods of chemical control for Pakistan Sugar Factories by Pakistan Society of Sugar
Natural Health supplements, Food and Farm Products	Polarity	Internal method	TEC-IPL-WI-12 TEC-IPL-STM-05	Polax 2L, Polarimeter
Syrup, oils	Specific gravity	USP 25 (841)	TEC-NML-STM-04	
Natural Health Supplements, Food and Farm Products	Brix / Refractive index	USP 25 (831)	TEC-NML-WI-05 TEC-NML-STM-09	
Consumer products in aqueous solutions: - Natural Health Supplements - Food and Farm Products	Determination of the pH	Health Canada, Product Safety Bureau, Test Method C13	TEC-NML-STM-07	
Water and waste water	Alkalinity	Standard Methods 2320 B; 21. Ed	TEC-IPL-STM-07	Accepted by EPA, APHA, AWWA and WEF Titration
Water and wastewater	Chloride	Standard Methods 4500-Cl B; 21 Ed	TEC-IPL-STM-12	Accepted by EPA, APHA, AWWA and WEF Argentometric titration
Water and wastewater	Total hardness	Standard Methods 2340 C; 21. Ed	TEC-IPL-STM-09	Accepted by EPA, APHA, AWWA and WEF
Water and wastewater	Conductivity	Standard methods 2510 B; 21 Ed	TEC-IPL-STM-18 TEC-IPL-WI-02	Accepted by EPA, APHA, AWWA and WEF
Water and wastewater	TSS (Total suspended solids)	Standard methods 21 Ed.	TEC-IPL-STM-14	Accepted by EPA, APHA, AWWA and WEF Drying method
Water and wastewater	Nitrate	Standard Methods 4500-NO3 B	TEC-IPL-STM-16 TEC-IPL-WI-18	Accepted by APHA, AWWA and WEF UV Method
Water and wastewater	Fluoride	Standard Methods 4500-F C	TEC-IPL-STM-17 TEC-IPL-WI-18	Accepted by EPA, APHA, AWWA and WEF UV Method

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#### P12 Chemical analysis

Object	Parameter	Reference standard	Identity of internal method	Comments
Water and wastewater	Sulphate	AOAC 973.57	TEC-IPL-STM-15 TEC-IPL-WI-18	UV Method

### Permanent facility

#### P16 Microbiological analysis

Object	Parameter	Reference standard	Identity of internal method	Comments
Drinking water and bottled water	Heterotrophic Colony Counts 20-22°C & 35-37°C	Internal method	TEC-MBL-STM-02	Method based on Health Products and Food Branch, Canada, MFHPB-18
Drinking water and bottled water	Determination of Yeast and Mould	Internal method	TEC-MBL-STM-03	Method based on Health Products and Food Branch, Canada, MFHPB-22
Drinking water, bottled water	Enumeration of Enterococci	NS-EN ISO 7899-2	TEC-MBL-STM-22	
Drinking water and bottled water	Total Coliforms and Escherichia coli	US-EPA Method No 1604	TEC-MBL-STM-20	Method based on Membrane Filtration using a simultaneous detection technique (MI Medium)
Environmental samples (surface swabs)	Detection of Salmonella	Health Products and Food Branch, Canada, MFHPB-20	TEC-MBL-STM-11	
Food and Farm Products	Determination of Coliforms	Health Products and Food Branch, Canada, MFHPB-31	TEC-MBL-STM-21	
Food and Farm Products Natural Health Supplements	Determination of Yeasts and Molds	Health products and Food Branch, Canada, MFHPB-22	TEC-MBL-STM-03	
Food and Farm Products Natural Health Supplements	Determination of the Aerobic Colony Count	Health Products and Food Branch, Canada, MFHPB-18	TEC-MBL-STM-02	
Food and Farm Products Natural Health Supplements Pharmaceutical Products	Detection of Salmonella	USP 28 (61)	TEC-MBL-STM-11	

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**Permanent facility**

**P16 Microbiological analysis**

<b>Object</b>	<b>Parameter</b>	<b>Reference standard</b>	<b>Identity of internal method</b>	<b>Comments</b>
Food and Farm Products Natural Health Supplements Pharmaceutical Products	Detection of E. coli	USP 28 (61)	TEC-MBL-STM-07	
Food and Farm Products Natural Health Supplements Pharmaceutical Products	Detection of Staphylococcus aureus	USP 28 (61)	TEC-MBL-STM-19	
Food and Farm Products Natural Health Supplements Pharmaceutical Products	Detection of Pseudomonas aeruginosa	USP 28 (61)	TEC-MBL-STM-18	

**Permanent facility**

**P99 Other technical areas**

<b>Object</b>	<b>Parameter</b>	<b>Reference standard</b>	<b>Identity of internal method</b>	<b>Comments</b>
Herbal solid dosage form (Tablets)	Tablet hardness	Internal method	TEC-IPL-WI-08, TEC-NML-STM-03	Method based upon equipment manual
PET Bottles, Glass Bottles	Brimful Capacity	Internal method	TEC-NML-STM-05	Density method
Solid dosage form (Capsules, granules, powder, paper)	Loss on drying	USP 25 (731)	TEC-NMI-WI-03 TEC-NML-STM-08	
Herbal solid dosage form (Tablets)	Tablet friability	USP 25 (1216)	TEC-IPL-WI-07 TEC-NML-STM-06	
Herbal solid dosage form (Tablets, capsules)	Weight pr tablet / capsule	USP 25 (1251)	TEC-NML-WI-08	

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**P99 Other technical areas**

<b>Object</b>	<b>Parameter</b>	<b>Reference standard</b>	<b>Identity of internal method</b>	<b>Comments</b>
Herbal solid dosage form (Tablets capsules)	Disintegration time	USP 25 (701)	TEC-NML-WI-06 TEC-NML-STM-11	
Papers and labels	Grammage of Paper and Paperboard (Mass Per Unit Area)	ASTM D646-96	TEC-NML-STM-02	