TCR ENGINEERING

MEDIA FACT SHEET · NADCAP AC7101 MATERIALS TESTING

FOR EDITORIAL REFERENCE

NADCAP AC7101 Accreditation: Verified Facts for Journalists

Every figure below is taken from the two PRI certificates or from TCR's own verified fact register. Please use these forms rather than paraphrasing, and check the certificate numbers against eAuditNet if you wish to verify independently.

NAVI MUMBAI AND VADODARA, INDIA, 17 AUGUST 2026

The core facts

Announcement	The TCR group is the first Indian group with two laboratories separately accredited by NADCAP for Materials Testing under AC7101
Accrediting body	Performance Review Institute (PRI), which administers NADCAP on behalf of the aerospace prime contractors
Accreditation held	AC7101 Materials Testing Laboratories, at both sites
Accreditation NOT held	AC7102 Heat Treatment. TCR performs no heat treating and never claims AC7102. Both certificates record Lab Type: Independent.
Certificate, Navi Mumbai	29415245997, valid to 31 May 2027
Certificate, Vadodara	29227245998, valid to 31 May 2027
Independent verification	Both listed on the eAuditNet Qualified Manufacturers List
Accredited entity 1	TCR Engineering Services Pvt. Ltd., VKB House, Plot No. EL-182, MIDC-TTC Industrial Area, Electronic Zone, Mahape, Navi Mumbai 400710, Maharashtra, India
Accredited entity 2	TCR Advanced Engineering Private Limited, 250-252/9, GIDC, Makarpura, Vadodara 390010, Gujarat, India
Company founded	1973, by V.K. Bafna (1940-2013), gold-medallist metallurgist
NABL accreditation	ISO/IEC 17025:2017, certificate NABLT0726MH18640, 1,483 scope items, valid 3 March 2026 to 2 March 2030 (Navi Mumbai laboratory)
ILAC	NABL is an ILAC MRA signatory; reports accepted across 90+ economies
Group footprint	Four operating countries: India, Saudi Arabia, Qatar and Kuwait.
Tagline	Transparency. Competence. Reliability.

Accredited scope, identical at both laboratories

CRITERIA	CATEGORY	CODES ACCREDITED
AC7101/3	Mechanical testing	Room-temperature tensile (A), elevated-temperature tensile (B), impact (N), bend testing (XN)
AC7101/4	Metallography and microindentation hardness	Metallographic evaluation (L0), microindentation interior (L1), surface case depth (L5), near-surface alpha case on wrought titanium (L8), carburisation and decarburisation (L10), grain size (L11)
AC7101/5	Hardness testing, macro	Brinell (M1), Rockwell (M2), Vickers (M3), electrical conductivity inspection (M4)
AC7101/7	Mechanical testing specimen preparation	Standard specimen machining (Z)
AC7101/14	Proficiency testing	Proficiency testing and internal round-robin requirements for all laboratories

Spokespeople

Rohit Bafna
President, TCR Engineering Services
Strategy, global aerospace supply chain, group positioning, trade policy. Default spokesperson for international media.

Avinash Tambewagh
Technical Head, TCR Engineering Services
Test methods, accreditation discipline, NDT, laboratory operations. Default spokesperson for Indian media and all technical questions.

Dr. Ajay Essampally
Senior Metallurgist and Head of Quality Assurance; NADCAP AC7101 Materials Testing Lead
The NADCAP audit itself, quality management system, NABL, metallurgy. Available for technical interviews on request.

Atul Yadav
HR Manager (Public Relations and Government Liaison)
Media liaison, interview scheduling, asset requests. pr@tcreng.com

Terms your subeditor may query

NADCAP	The aerospace industry's cooperative supplier accreditation programme for special processes and laboratories. Administered by PRI. Audits are conducted to a single global set of criteria; there is no national variant.
AC7101	The NADCAP audit criteria document for Materials Testing Laboratories. Numbered sub-parts cover mechanical testing (/3), metallography and microindentation hardness (/4), macro hardness (/5), specimen preparation (/7) and proficiency testing (/14).
Alpha case	A hard, brittle, oxygen-enriched layer that forms on the surface of titanium when it is worked or heat treated in an uncontrolled atmosphere. It can initiate cracking in service, so aerospace specifications require it to be detected and removed. Evaluated metallographically under AC7101/4 code L8.
Electrical conductivity inspection	A non-destructive eddy-current measurement used to confirm that an aluminium alloy has reached the intended temper after heat treatment. Accredited under AC7101/5 code M4.
Independent laboratory	A NADCAP designation recorded on the certificate. It means the laboratory does not perform the processes it verifies, so there is no conflict between the party doing the work and the party measuring it.
eAuditNet	PRI's online system carrying the Qualified Manufacturers List, the public record of who holds which NADCAP accreditation and to what scope.

Wording we ask you to avoid, and why

“NADCAP certified”	The correct term is accredited. NADCAP accredits laboratories and processes; it does not certify companies.
“NADCAP approved for heat treatment”	TCR holds AC7101 Materials Testing only. It has never held and does not claim AC7102 heat treatment.
“TCR is the only Indian NADCAP laboratory”	Not our claim. The claim is that the TCR group is the first Indian group with two laboratories separately accredited under AC7101.
“NABL TC-6905”	Superseded on 3 March 2026. The current NABL certificate number is NABLT0726MH18640.
“Transparency. Certainty. Reliability.”	The tagline is Transparency. Competence. Reliability.

Prepared by the Office of the President, TCR Engineering Services Pvt. Ltd. Corrections and verification queries to pr@tcreng.com.

MEDIA CONTACT

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