



Výzkumný
Ústav
Železniční, a.s.

CERTIFICATE

Výzkumný Ústav Železniční, a.s.

Product Certification Body No. 3149
accredited by the ČIA according to ČSN EN ISO/IEC 17065:2013
seated in Prague 4, Braník, Novodvorská 1698, PSČ 142 01,
Czech Republic



issues

Type Examination Certificate

Certificate Number: 3149 / 1 / CB / 16 / RST / EN / 0060

to Applicant

TRIBOTEC spol. s r.o.

seated in Na Výsluní 201/13, Praha 10, PSČ 100 00, Czech republic

for the product

Rolling stock sanding equipment Type KOVA – 03D

Based on the results of the type assessment of product mentioned in the internal document of Certification Body – Findings Report ZZC16004 issued 12.04.2016 – this Certificate attests the conformity of product with following technical requirements:

Commision Regulation (EU) No.1302/2014 (TSI LOC&PAS)

Type Examination has been performed using the certification scheme of Commission Decision 2010/713/EU, the module CB.

Details are listed on the attached schedule, which forms indivisible part of this Certificate.

Place and date of issue:

Praha, 20.04.2016

Valid until:

unlimited

Signature:

r. 2.
On behalf of Certification Body

Name:

Ing. Ladislav Dušek

Title:

Head of Certification Body
Výzkumný Ústav Železniční, a.s.



1. Product Name

Rolling stock sanding equipment Type KOVA – 03D

2. Overview of main product characteristic

Amount of sand per sanding device within 30 s – for speeds $V < 140$ km/h	400 g + 100 g
Amount of sand per sanding device within 30 s – for speeds $V \geq 140$ km/h	650 g + 150 g

3. Product determination

For rolling stock.

4. List of applicable technical regulation, documents and standards

Title	Name	Date of issue
Commission Decision 2010/713/EU	on modules for the procedures for assessment of conformity, suitability for use and EC verification to be used in the technical specifications for interoperability adopted under Directive 2008/57/EC of the European Parliament and of the Council	09.11.2010
Commission Regulation (EU) No. 1302/2014	concerning a technical specification for interoperability relating to the 'rolling stock — locomotives and passenger rolling stock' subsystem of the rail system in the European Union	18.11.2014
ERA/ERTMS/033281 version 2.0	Interfaces between control-command and signalling trackside and other subsystem	12.05.2015

5. Conformity assessment procedure

5.1 Assessment phase

Design and development.

5.2 Module

Module CB under Commission Decision 2010/713/EU.

5.3 Scope of the assessment

Type examination.

5.4 Manner of type examination

Combination of production type and desing type under Commission Decision 2010/713/EU, Module CB, point 2.

6. List of approved documents

Document	Issuer	Name	Date of issue
Technical specifications 42508294/09	TRIBOTEC	Rolling stock sanding equipment Type KOVA – 03D – 71Em	15.12.2009
Technical specifications 425082157/11	TRIBOTEC	Rolling stock sanding equipment Type KOVA – 03D	05.01.2011
Test report č. Z425082157/11	TRIBOTEC	Test report No Z425082157/11 on production routine test	25.05.2010
Test report č. Z42508294/09	TRIBOTEC	Test report No Z42508294/09 on production routine test	09.11.2009

7. Restrictions

For above mentioned product only.

Place and date of issue: Praha, 20.04.2016

Signature:


On behalf of Certification Body