

<b>STN</b>	<b>Obaly</b> <b>Skúšobná metóda na stanovenie pórovitosti vnútorného náteru pre flexibilné hliníkové tuby</b> <b>Časť 1: Skúška chloridom sodným</b>	<b>STN</b> <b>EN 15384-1</b>  77 3033
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Packaging - Test method to determine the porosity of the internal coating of flexible aluminium tubes - Part 1: Sodium chloride test

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/17

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Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

**EN 15384-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 55.120

Supersedes EN 15384:2007

English Version

## Packaging - Test method to determine the porosity of the internal coating of flexible aluminium tubes - Part 1: Sodium chloride test

Emballage - Méthode d'essai pour déterminer la  
porosité du revêtement intérieur des tubes souples en  
aluminium - Partie 1 : Méthode au chlorure de sodium

Packmittel - Prüfverfahren zur Bestimmung der  
Porosität der Innenbeschichtung von Aluminiumtuben  
- Teil 1: Natriumchlorid-Verfahren

This European Standard was approved by CEN on 21 November 2016.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
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## **European foreword**

This document (EN 15384-1:2017) has been prepared by Technical Committee CEN/TC 261 “Packaging”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2017, and conflicting national standards shall be withdrawn at the latest by July 2017.

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## 1 Scope

This European Standard is applicable for internally coated cylindrical and conical aluminium tubes, mainly used for the packing of pharmaceutical, cosmetic, hygiene, food or other household products.

The internal coating is used as a barrier and should avoid any contact between aluminium and the product. This standard defines the sodium chloride method to detect the electrolyte conductivity as one criterion for the quality of the internal coating.

**NOTE** The electrolyte conductivity of the internal coating is only one criterion for evaluation of the quality of an internal coating. It does not give any information on the quantity or size of any pores or uncoated areas, nor any hint on possible reactions between the aluminium tube and the product.

The electrolyte conductivity should never be used as the sole criterion for quality evaluation of the internal coating, but always with other parameters e.g. film thickness, acetone and/or ammonia resistance and of course results of enhanced stability studies.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**