

Method: ACRN-30 Revision: 5 Final Revision Date: 04/14/03	Acrylonitrile Specification Tests	INEOS Nitriles
Last Review: 06/12/07	Acrylonitrile Assay	Page 1 of 1

METHOD SUMMARY

The weight percent acrylonitrile is calculated by subtracting the sum of the major impurities from 100.

SAFETY

Acrylonitrile is hazardous to the health and dangerous to handle. Use acrylonitrile in a well ventilated hood. Review the MSDS for detailed information concerning toxicity, first aid procedures and safety precautions.

Refer to the appropriate safety section or site manual for the necessary protective equipment to use when handling any reagents or samples.

PROCEDURE

Convert concentration of components to weight percent and subtract from 100%.

CALCULATIONS

Acrylonitrile, Wt.% = 100 - (wt.% water + wt.% acetonitrile + wt.% other trace impurities).

REPORT

Report wt.% acrylonitrile to one decimal place.

Wt.% = 99.5

Technical information contained herein is furnished without charge or obligation, and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, INEOS USA LLC makes no representation about, and is not responsible or liable for the accuracy or reliability of data, nor for toxicological effects or Industrial Hygiene requirements associated with particular uses of any product described herein. Nothing contained in this document shall be considered a recommendation for any use that may infringe patent rights, or an endorsement of any particular material, equipment, service, or other item not supplied by INEOS USA LLC. The "Properties" and "Applications" listed in this document are not specifications. They are provided as information only and in no way modify, amend, enlarge, or create any specification or warranty, and ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED.

October 2006

©2006 INEOS USA LLC

This document is UNCONTROLLED. For the latest revision of this test method, visit <http://techservice.innovene.com> and select Acrylonitrile in "Browse by Product."