



# AMMONIUM THIOSULPHATE SOLUTION

## PHYSICO-CHEMICAL CHARACTERISTICS

Formula	: (NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Molecular weight	: 148.21
Synonyms	: Ammonium hyposulphite solution
Density (20 °C)	: 1.32-1.34 kg/dm <sup>3</sup>
Crystallisation temperature	: 0°C approx.

## QUALITATIVE CHARACTERISTICS

Appearance	clear and colourless liquid
Assay	% (NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 59 ± 0.5
pH (20°C, sul tal quale)	8.2-8.7
Total alkalinity	% NH <sub>4</sub> OH 0.4-0.8
Sulphites	% SO <sub>3</sub> < 0.5
Sulphides	mg/kg S < 2
Iron	mg/kg as Fe < 2.5
Heavy metals	mg/kg as Pb < 10
Residue after ignition	% < 0.1

**The product meets the requirements of ANSI PH 4.252 (1980) and ISO 3619 (1976).**

The indicated values are intended as determined according to our standard analysis methods.

## STANDARD PACKAGING

270 kg net polyethylene drums, 1300 kg net IBC  
Rail and road tankers, according to transport regulations

## MAIN USES

In photographic industry, as essential component in the rapid colour fixing baths and in the radiographic fixing baths.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

THIS TECHNICAL DATA SHEET IS IDENTIFIED AS **ATS 1 (0722) E7**