


Specification

Ammonium Peroxodisulfate *BioChemica*

A1142

Solubility:	582 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1142
Product Name:	Ammonium Peroxodisulfate <i>BioChemica</i>
Specifications:	<p>Assay (titr.): min. 98 %</p> <p>Free acid: max. 0.1 %</p> <p>Residue on ignition: max. 0.05 %</p> <p>pH (5 %; H₂O; 20°C): 3.0 - 4.0</p> <p>Chlorate: max. 0.001 %</p> <p>Chloride: max. 0.001 %</p> <p>Fe: max. 0.001 %</p> <p>Mn: max. 0.00005 %</p> <p>Pb: max. 0.005 %</p>
Hazard pictograms	
UN:	1444
Class/PG:	5.1/III
ADR:	5.1/III
IMDG:	5.1/III
IATA:	5.1/III
WGK:	1
Storage:	RT

AppliChem GmbH

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Signal Word:	Danger
GHS Symbols:	GHS03 GHS07 GHS08
H Phrases:	H272 H302 H315 H317 H319 H334 H335
P Phrases:	P280 P302+P352 P304+P341 P305+P351+P338 P342+P311
Molecular Formula:	$(\text{NH}_4)_2\text{S}_2\text{O}_8$
M:	228.20 g/mol
CAS:	7727-54-0
EINECS:	231-786-5
CS:	28334000
Index Nr.:	016-060-00-6
Comment	Ammonium persulfate (APS) and Riboflavin serve as the initiators of the polymerisation of Acrylamide. Stock solutions of APS (10 % in water) are stable for several weeks at +4°C. Freezing of aliquots increase the shelf life (-20°C\; stable for > 6 months; -70°C\; stable for > 9 months).

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Bibliography

(1)Ogden, R.C. & Adams, D.A. (1987) *Methods Enzymol.* **152**, 61-87 Electrophoresis in agarose and acrylamide gels.
(2)Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning*: A Laboratory Manual, 2nd Edition. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York. (3)Gomes, A.V. & Barnes, J.A. (1998) *Anal. Biochem.* **260**, 106-108 Gel electrophoresis with mini gels.

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