

# PuroXS grains

Pure grade sodium benzoate  
 $C_6H_5CO_2Na$

CAS no: 532-32-1  
 EINECS no: 208-534-8

Characteristic	Spec range	Unit	Method
<b>Product specification</b>			
Assay (on dried product)*	99.9 min	% (m/m)	DSM SPR AM 001+002
Loss on drying	1.0 max	% (m/m)	DSM SPR AM 015
Color (10% (m/m) solution in water)	10 max	APHA	DSM SPR AM 016
Acidity	0.40 max	mg NaOH/g	DSM SPR AM 017
Alkalinity	0.37 max	mg HCl/g	DSM SPR AM 017
Phenol	2 max	mg/kg	DSM SPR AM 006
Insoluble matter	to pass test		DSM SPR AM 018
Taste and odor	no off taste or odor		DSM SPR AM 019
Heavy metals	< 10	mg/kg	DSM SPR AM 005
Iron	< 1	mg/kg	DSM SPR AM 005
Mercury	< 0.1	mg/kg	DSM SPR AM 005
Sulphate, as $SO_4^{2-}$	< 50	mg/kg	DSM SPR AM 021
Chloride, as $Cl^-$ <sup>(1)</sup>	< 25	mg/kg	DSM SPR AM 022
Halogenated compounds, as $Cl^-$ <sup>(2)</sup>	< 50	mg/kg	DSM SPR AM 023
Total chlorine, as $Cl^-$	< 75	mg/kg	(sum 1+2)
Turbidity (of a 10% (m/m) solution in water)	< 0.5	NTU	DSM SPR AM 024
Oxidizable substances	< 0.10	ml 0.02 mol KMnO <sub>4</sub> /g	DSM SPR AM 009
Organic volatile impurities	to pass test		DSM SPR AM 025
Polycyclic acids	to pass test		DSM SPR AM 026
Sodium phthalate	< 0.005	% (m/m)	DSM SPR AM 002

\* Assay = 100% - total organic impurities

Purox® S grains, pure grade sodium benzoate contains < 1 mg/kg: Ag, As, Bi, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Sn, Zn

This material meets the latest requirements of FCC, USP/NF, Ph.Eur., BP, JP, E211.

REACH Pre-registration number: 05-2114478613-42-0000

This material is certified Kosher and Kosher for pass-over  and certified Halal 

Issue date: 17-Jul-2009

**Address:**

DSM Special Products  
 PO Box 601  
 6160 AP Geleen  
 The Netherlands

**Communication:**

email [www.dsmspecialproducts.com](http://www.dsmspecialproducts.com)  
[purox.info@DSM.com](mailto:purox.info@DSM.com)  
 fax +31-46-4764780

Appearance	White grains, dust free
Bulk density	Min. 600 kg/m <sup>3</sup>
Density	1440 kg/m <sup>3</sup>
Solubility (in water)	560 kg/m <sup>3</sup> (20 °C)
Degradation point	410 - 430 °C
Packaging	Polyethylene sealed bags, 25 kg net, 55 bags/ pallet Big bag: 650 and 1000 kg net, 1 bag/ pallet On heat treated pallets.
Pallet information	25 kg bags: 122X101 cm 650 kg bags: 120X114 cm 1000 kg bags: 120X114 cm
Storage	Store cool and dry; product is slightly hygroscopic
Shelf life	3 years



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**Address:**

DSM Special Products  
PO Box 601  
6160 AP Geleen  
The Netherlands

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**Communication:**

email [www.dsmspecialproducts.com](http://www.dsmspecialproducts.com)  
[purox.info@DSM.com](mailto:purox.info@DSM.com)  
fax +31-46-4764780