Test Standards requirements for Salt

This summary is for general guidance only. Though believed to be accurate at the time of writing, this may change over time. So this information should not be used as a substitute for referring to a complete test standard, at an appropriate revision level.

Notes:

• = Not Specified
ppm = parts per million, this is the same as mg/kg
% is parts per 100
* 0.3 ppm = 0.00003%

More information about Test Standards is available in the Ascott website click here

		Basic Salt Specification (excluding any alkaline or acidic buffers)				
Test Standard Number	Country/industry/ company of origin	Total impurities	Anti-caking agents	Halides (B, F & I) exc. chloride	Copper (Cu)	Nickel (Ni)
Salt Spray/Mist/Fog Test Standards						
50180 method A1	Fiat	Refer to Test Standard				
50180 method A2	Fiat	Refer to Test Standard				
50180 method A3	Fiat	Refer to Test Standard				
AS 2331 method 3.1	Australia	≤0.4%	•	≤0.1%	•	•
AS 2331 method 3.2	Australia	≤0.4%	•	≤0.1%	•	•
AS 2331 method 3.3	Australia	≤0.4%	•	≤0.1%	•	•
ASTM B117	USA	≤0.3%	none	≤0.1%	<0.3ppm*	•
ASTM B287	USA	≤0.3%	•	≤0.1%	•	•
ASTM B368	USA	Refer to Test Standard				
ASTM G85 annex A1	USA	≤0.3%	•	≤0.1%	•	•
ASTM G85 annex A2	USA	≤0.3%	•	≤0.1%	•	•
ASTM G85 annex A3	USA	Refer to Test Standard				
ASTM G85 annex A4	USA	Refer to Test Standard				
ASTM G85 annex A5	USA	Refer to Test Standard				
ASTM G5894	USA	Refer to Test Standard				
BS2011 Part2.1 Ka	UK	≤0.3%	•	≤0.1%	•	•
BS2011 Part2.1 Kb	UK	≤0.3%	•	≤0.1%	•	•
BS 3900 Part F4	UK	Refer to Test Standard				
BS 3900 Part F12	UK	≤0.4%	•	≤0.1%	•	•
BS 5466 Part 1	UK	≤0.4%	•	≤0.1%	•	•
BS 5466 Part 2	UK	≤0.4%	•	≤0.1%	•	•
BS 5466 Part 3>	UK	≤0.4%	•	≤0.1%	•	•
BS 7479	UK	≤0.5%	•	≤0.1%	<0.001%	<0.001%

BS EN ISO 7253	UK	≤0.4%	•	≤0.1%	•	•
BS EN 60068-2-11	UK	≤0.3%	•	≤0.1%	•	•
BS EN 60068-2-52	UK	≤0.3%	•	≤0.1%	•	•
D17 1058	Renault	≤0.2%	•	≤0.1%	<0.001%	
DEF STAN 00-35 Pt 3 CN2	UK Defence	≤0.3%	•	≤0.1%	•	•
DEF STAN 133 method 14	UK Defence	Refer to Test Standard				
DEF STAN 1053 method 24	UK Defence	Refer to Test Standard				
DIN 50 021-SS	Germany	≤0.3%	•	≤0.1%	<0.001%	
DIN 50 021-ESS	Germany	≤0.3%	•	≤0.1%	<0.001%	
DIN 50 021-CASS	Germany	≤0.3%	•	≤0.1%	<0.001%	
FLTM BI 103-01	Ford	≤0.3%	none	<0.1%	<0.3ppm*	•
GM4298P	General Motors	≤0.3%	none	<0.1%	<0.3ppm*	•
IEC 68-2-11	Europe	≤0.3%	•	≤0.1%	•	•
IEC 68-2-52	Europe	≤0.3%	•	≤0.1%	•	•
IEC 60068-2-11	Europe	≤0.3%	•	≤0.1%	•	•
IEC 60068-2-52	Europe	≤0.3%	•	≤0.1%	•	•
ISO 3768	Europe	≤0.4%	•	≤0.1%	•	•
ISO 3769	Europe	≤0.4%	•	≤0.1%	•	•
ISO 3770	Europe	≤0.4%	•	≤0.1%	•	•
ISO 7253	Europe	≤0.4%	•	≤0.1%	•	•
ISO 9227	Europe	≤0.5%	•	≤0.1%	•	•
JIS H 8502 Method 1	Japan	JIS K 8150 – 'grade 1' (see bottom of list for details)				
JIS H 8502 Method 2	Japan	JIS K 8150 – 'grade 1' (see bottom of list for details)				
JIS H 8502 Method 3	Japan	JIS K 8150 – 'grade 1' (see bottom of list for details)				
JIS Z 2371	Japan	JIS K 8150 – 'grade 1' (see bottom of list for details)				
JNS 30.16.03	Jaguar	Refer to Test Standard				
MIL-STD-202	USA Military	≤0.5%	•	≤0.1%	•	•
MIL-STD-750	USA Military	≤0.5%	•	≤0.1%	•	•
MIL-STD-810	USA Military	≤0.5%	•	≤0.1%	•	•
NFX 41-002	France	Refer to Test Standard				
RTCA/DO-160	RTCA Inc.	≤0.5%	•	≤0.1%	•	•
VG 95 210	Germany	≤0.3%	•	≤0.1%	•	•

Cyclic Corrosion Test (CCT) Standards

CCT-1	Japan Automotive	JIS K 8150 – 'grade 1' (see bottom of list for details)				
CCT-2	Japan Automotive	JIS K 8150 – 'grade 1' (see bottom of list for details)				
ECC-1	Renault	≤0.2%	•	≤0.1%	•	•
D17 2028	Renault	≤0.2%	•	≤0.1%	•	•
GM9540P	General Motors	Refer to Test Standard				
ISO11997-1	Europe	≤0.5%	•	≤0.1%	≤0.001%	≤0.001%
ISO14993	Europe	≤0.5%	•	≤0.1%	≤0.001%	≤0.001%
JASO M 609	Japan Automotive	JIS K 8150 – 'grade 1' (see bottom of list for details)				
JASO M 610	Japan Automotive	JIS K 8150 – 'grade 1' (see bottom of list for details)				
JIS H 8502 Method 4	Japan	JIS K 8150 – 'grade 1' (see bottom of list for details)				
JIS H 8502 Method 5	Japan	JIS K 8150 – 'grade 1' (see bottom of list for details)				
P-VW 1209	VW/Audi	≤0.3%	•	≤0.1%	<0.001%	
P-VW 1210	VW/Audi	≤0.3%	•	≤0.1%	<0.001%	
SAE J 2334	USA Automotive	Refer to Test Standard				
STD1027, 14	Volvo	≤0.4%	•	≤0.1%	≤0.001%	≤0.01%
STD1027,1375	Volvo	Refer to Test Standard				
VDA 621-415	Germany Automotive	≤0.3%	•	≤0.1%	<0.001%	

JIS K 8150 – 'grade 1' Specification

Total impurities	≤0.5%
Anti-caking agents	not specified
Halides (Br, F & I) exc chloride	not specified
Cu	not specified
Ni	not specified
K	≤0.01%
Ca	≤0.003%
SO4	≤0.005%
Pb	≤0.001%