

Gas corrosion test standard

Single Gas

Test standards	Gas	Gas concentration 10-6vol/vol(ppm)	Tempreature (°C)	Humid (%RH)	Test period (day)		
IEC 60068-2-42	SO2	25±5	25±5	75±5	4, 10, 21	*1	
IEC 60068-2-60		0.5	25	75	4, 10, 21		
IEC 60512-11-14		Method A	1max/10max	25, 30±1	75±3	4, 10, 21	
ISO 10062		Method A	0.5±0.1	25±1	75±3	1, 2, 4, 10, 20, 30, 90	
DIN 40046		36	10±2	25±2	75±5	4, 10, 21	
JIS H 8502(1999)		0.5±0.1	10±2	40±2	80±5	1, 2, 4, 10	
JIS H 8620(1998)							
JIS H 8621(1998)							
JIS C 0090							
JEIDA 32, 39, 41		10±3	40±2	80 before and after	—		*1
EIAJ-CP-5102		25	40	90	—		
Enterprise standard 1		20	25±5	70±5	7, 14, 21, 40		N
Enterprise standard 2		10	40	70~95	4, 7, 10		Shin
Enterprise standard 3		20	55	80	7, 14, 21		N

Test standards	Gas	Gas concentration 10-6vol/vol(ppm)	Tempreature (°C)	Humid (%RH)	Test period (day)		
IEC 60068-2-43:6	H2S	10~15	25±5	75±5	4, 10, 21	*2	
IEC 60068-2-60		TTD-B	0.1	25	75	4, 10, 21	
IEC 60512-11-14		Method B	1max/10max	25, 30±1	75±3	4, 10, 21	
ISO 10062		Method B	0.1±0.02	25±1	75±3	1, 2, 4, 10, 20, 30, 90	
DIN 40046		37	1±0.3	25±2	75±5	4, 10, 21	
JIS H 8502(1999)		0.5±0.1	10±2	40±2	80±5	4, 10, 21	
JIS H 8620(1998)							
JIS H 8621(1998)							
JIS C 0092							
JEIDA 35, 38, 40		3±1	40±2	80 before and after	—		*2
EIAJ-RC-5608		1	40	75	—		
Enterprise standard 1		20	25±5	90±5	7, 14, 21		N
Enterprise standard 2		200	25~40	80	7, 14, 21		N
Enterprise standard 3		3	40	70	4, 7, 10		S

Test standards	Gas	Gas concentration 10-6vol/vol(ppm)	Tempreature (°C)	Humid (%RH)	Test period (day)
JIS H 8502(1999)	Cl2	0.02±0.005 0.1±0.02	40±2	80±5	4, 10, 21

Mix gas

Test standards		Gas concentration 10-9vol/vol(ppb)				Tempreature (°C)	Humid (%RH)	Test period (day)	
		H2S	SO2	NO2	Cl2				
IEC 60068-2-60	TTD-C	100	500	—	—	25±5	75±5	4, 7, 14, 21	
IEC 60068-2-60	Method A	100±20	500±100	—	—	25±5	75±5	4, 10, 21	
	Method B	10±5	—	—	10±5	30±1	70±3		
IEC 60512-11-7	Method C	100±20	—	200±50	20±5	30±1	75±3		
JIS C 0048 (1999)	Method D	10±5	200±50	—	10±5	25±5	75±5	4, 7, 10, 14, 21	
	Test method 1	100±20	500±100	—	—	25±1	75±5		
	Test method 2	10±5	—	200±50	10±5	30±1	70±3		
	Test method 3	100±20	—	200±50	20±5	30±1	75±3		
JIS H 8502(1999)	Test method 4	10±5	200±50	—	10±5	25±5	75±5		
JIS H 8620(1998)	Test method 4	100±20	500±100	—	—	40±2	80±5	4, 7, 10, 14, 21	
JIS H 8621(1998)	Test method 4	100±10	500±100	—	20±5	—	—		
ISO 10062	Method C	100±20	500±100	—	—	25±1	75±3	1, 2, 4, 10, 20, 30, 90	
	Method D		200±50	—	20±5				
Battelle Columbus Lab.	Class II	10	—	200	10	30	70	3, 7, 14, 21	*3
	Class III	100	—		50				
	Class IV	200	—		50				
Bellcore Lab. Optional	indoors	10	100	200	10	30±0.5	70±3	14	
	ou t doors	100	200		20			20	
	ou t doors	10	100		10			40	
EIA-364-65A-1998	Class II	10±5	—	200±50	10±3	30±2	70±2	3, 7, 14, 21	*3
	Class II A		100±20						
	Class III	100±20	—		20±5	30±2	75±2		
	Class III A		200±50			30±1	70±2		
	Class IV		200±20			—	30±5		
Enterprise standard 1		3 (ppm)	10 (ppm)	—	—	25~40	70~90	4, 10, 21	P,T
Enterprise standard 2		0.5 (ppm)	1 (ppm)	—	—	35	75	7, 14, 21	N
Enterprise standard 3		1 (ppm)	—	1.5 (ppm)	—	30	70	4	S

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For the opening and closing of the test chamber of the single-gas and mixed gas test

The bath is allowed to be opened during the test. Open is not allowed in the short test period than 4 days.

A test period of 10 days from four days of open once is allowed.

In the test period of over 10 days, they are allowed a single opening in one week.(Excerpt from JIS C 0034 6 Section)