

VOC (for automobile)

●MEASURING VOLATILIZING AMOUNT OF VOLATILE ORGANIC COMPOUND

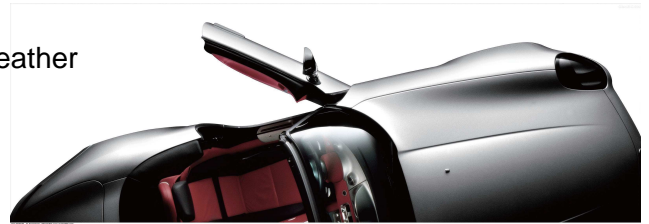
JASO (Japanese Automotive Standards Organization)
 Automobile manufacturers (TOYOTA, NISSAN, HONDA, MATSUDA)
 DIN (Deutsche Industrie Normen)
 VDA (German Automotive Industry Association)

●OBJECT OF MEASURING

Upholstery, Tapes, Adhesives, RESIN, Synthetic leather

●Anarysis

JASO M902
 Sampling bag, Chamber



●Method



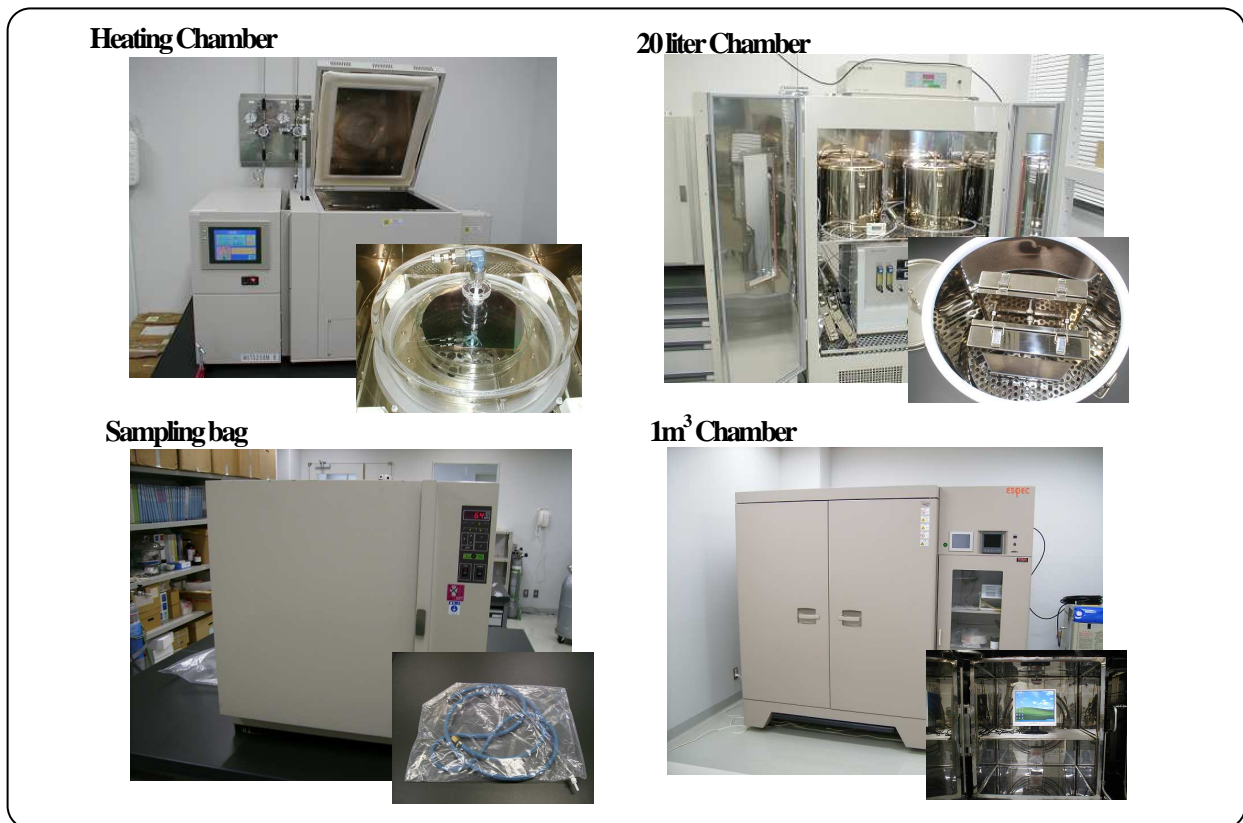
	JASO M902	Method A	Method B
Chamber size	10 liter	10 liter * according sample size	2000 liter or 10 liter
Sample size	10x10 cm	8x10 cm * according test regulation	8x10 cm * according test regulation
Temp & Time	65°C, 2hours	65°C, 2 hours or 40°C 4.5 hours	60°C, 2~4.5hours or 40°C 2~4.5 hours
Target	Formaldehyde, Acetaldehyde Toluene, Xylene, TVOC Ethylbenzene, Styrene	Formaldehyde, Acetaldehyde Toluene, Xylene, Ethylbenzene, Styrene, DBP, DEHP, Tetradecane	Formaldehyde, Acetaldehyde Toluene, Xylene, Ethylbenzene, Styrene, Tetradecane, TVOC p-dichlorobenzene
Curing	made within 2weeks	made within 2weeks	made ASAP

VOC (Volatile Organic Compounds)

●Electronic: parts, apparatus, device, module

- small chamber method (20 liter) :JIS A 1901
 - small chamber method (1m³) :JEITA
 - sampling bag method :JASO
- Eurofins will use our proven skills to meet your needs

●Chamber



●Measuring object material & satisfying indoor concentration guideline values

material	Guideline values	Material	Guideline values
Formaldehyde	100µg/m ³ (0.08ppm)	Di-n-butyl phthalate	220µg/m ³ (0.02ppm)
Acetaldehyde	48µg/m ³ (0.03ppm)	Di-2-ethylhexyl phthalate	120µg/m ³ (7.6ppb)
Toluene	260µg/m ³ (0.07ppm)	Chlorpyrifos	1µg/m ³ (0.07ppb)
Xylene	870µg/m ³ (0.20ppm)	Diazinon	0.29µg/m ³ (0.023ppb)
Para dichlorobenzene	240µg/m ³ (0.04ppm)	Fenobcarb	33µg/m ³ (3.8ppb)
Ethyl benzene	3,800µg/m ³ (0.88ppm)	Tetradecane	330µg/m ³ (0.04ppm)
Styrene	220µg/m ³ (0.05ppm)		

Attention: This guideline values are different from the quantity of radiation from materials