

Organic Contaminants in Smokers' Urine (Frozen)

Art. ID	NIST-3672
Unit	5 vials x 10 mL
Deliverydetails	Dry ice shipment /not restricted

Description

This Standard Reference Material (SRM®) is intended for use in evaluating analytical methods for the determination of selected hydroxylated polycyclic aromatic hydrocarbons (hydroxylated PAHs) and phthalate, phenol, and volatile organic compound (VOC) metabolites in urine. All of the constituents for which certified and reference values are provided are naturally present in the urine. A unit of NIST-3672 consists of five vials each containing 10 mL of frozen urine. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
certified value	1-Naphthol	[90-15-3]	33,8 ± 4,3	µg/kg		
certified value	2-Naphthol	[135-19-3]	8,57 ± 0,16	µg/kg		
certified value	9-Hydroxyfluorene	[1689-64-1]	0,331 ± 0,077	µg/kg		
certified value	3-Hydroxyfluorene	[6344-67-8]	0,420 ± 0,018	µg/kg		
certified value	2-Hydroxyfluorene	[n/a]	0,854 ± 0,015	µg/kg		
certified value	4-Hydroxyphenanthrene	[7651-86-7]	0,0480 ± 0,0045	µg/kg		
certified value	9-Hydroxyphenanthrene	[484-17-3]	0,959 ± 0,061	µg/kg		
certified value	3-Hydroxyphenanthrene	[605-87-8]	0,123 ± 0,007	µg/kg		
certified value	1-Hydroxyphenanthrene	[2433-56-9]	0,133 ± 0,014	µg/kg		
certified value	2-Hydroxyphenanthrene	[605-55-0]	0,0825 ± 0,0007	µg/kg		
certified value	1-Hydroxypyrene	[5315-79-7]	0,170 ± 0,010	µg/kg		
reference value	Mono-carboxynonyl phthalate isomers		1,92 ± 0,06	µg/kg		
reference value	Mono-carboxyoctyl phthalate isomers		21,3 ± 1,1	µg/kg		
reference value	Mono-(2-ethyl-5-carboxypentyl) phthalate		35,2 ± 1,7	µg/kg		
reference value	Mono-(2-ethyl-5-hydroxyhexyl) phthalate		24,8 ± 0,4	µg/kg		
reference value	Mono-(2-ethyl-5-oxohexyl) phthalate		14,9 ± 0,4	µg/kg		
reference value	Mono-(2-ethylhexyl) phthalate		4,13 ± 0,15	µg/kg		
reference value	Mono-(3-carboxypropyl) phthalate		2,99 ± 0,20	µg/kg		
reference value	Monobenzyl phthalate	[2528-16-7]	8,37 ± 0,18	µg/kg		
reference value	Monoethyl phthalate	[2306-33-4]	94,5 ± 3,0	µg/kg		

reference value	Monoisobutyl phthalate	[30833-53-5]	6,40 ± 0,28	µg/kg
reference value	Phthalic acid, mono-n-butyl ester (Mono-n-butyl phthalate)	[131-70-4]	10,6 ± 0,5	µg/kg
reference value	Bisphenol A	[80-05-7]	3,05 ± 0,16	µg/kg
reference value	2,5-Dichlorophenol	[583-78-8]	1,77 ± 0,06	µg/kg
reference value	Benzophenone-3	[131-57-7]	191 ± 5	µg/kg
reference value	Methyl paraben (Methyl-4-hydroxybenzoate)	[n/a]	113 ± 2	µg/kg
reference value	Ethyl Paraben	[120-47-8]	8,12 ± 0,20	µg/kg
reference value	Propyl Paraben	[94-13-3]	17,6 ± 0,3	µg/kg
reference value	Butyl Paraben	[94-26-8]	11,1 ± 0,2	µg/kg
reference value	Triclosan	[3380-34-5]	17,7 ± 0,5	µg/kg