

Reference Materials for Food Packaging Migration Testing

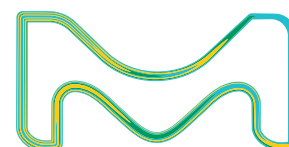
We offer a considerable range of analytical standards and certified reference materials (CRMs) to support the testing of substances listed in the Regulation (EU) No. 10/2011 on plastics materials and articles intended to come into contact with food. Certified reference materials are manufactured in compliance with ISO/IEC 17025 and ISO 17034. The certified content values are given with an uncertainty taking into account stability and homogeneity of the CRM.

TraceCERT® neat certified reference materials are traceable to NIST SRMs (standard reference material) which are certified by quantitative NMR (qNMR). For

certified reference material solutions, a certified value for the analyte concentration is provided. Analytical standards are provided with a chromatographic purity value and confirmed identity. Find a list of available products below. The products are arranged by the FCM Number (food contact material) as listed in Regulation (EU) No 10/2011. Products may not use the same nomenclature or synonyms as the regulation so as an additional reference to identify the analytes, we have also provided the CAS numbers.

Find the products on our website at SigmaAldrich.com/fcm

FCM No.	Cat. No.	Product Description	CAS	Pack Size	Quality Grade
104	36932	Hexadecyltrimethylammonium bromide	57-09-0	1 g	Analytical Standard
127	48625	Vinyl chloride solution (200 µg/mL in methanol)	75-01-4	1 mL	Certified Reference Material solution
129	48838	Ethylene oxide solution (50 µg/mL in methanol)	75-21-8	1 mL	Certified Reference Material solution
130	40027	1,1-Dichloroethene solution (1000 µg/mL in methanol)	75-35-4	1 mL	Certified Reference Material solution
135	56671	(±)-Propylene oxide	75-56-9	1 mL, 5 mL	Analytical Standard
144	59240	Isoprene / 2-methyl-1,3-butadiene	78-79-5	1 mL, 10 mL	Analytical Standard
145	08267	Acrylamide	79-06-1	100 mg	TraceCERT® Certified Reference Material
151	42088	Bisphenol A	80-05-7	100 mg	TraceCERT® Certified Reference Material
153	46158	Dapsone / 4,4'-Diaminodiphenyl sulphone	80-08-0	250 mg	Analytical Standard
154	43034	4,4'-dihydroxydiphenyl sulphone / Bisphenol S	80-09-1	100 mg	Analytical Standard
157	18281	Dibutyl phthalate	84-74-2	50 mg	TraceCERT® Certified Reference Material
159	42438	Benzyl butyl phthalate	85-68-7	50 mg	TraceCERT® Certified Reference Material
177	01380	Ethylene carbonate	96-49-1	1 g	TraceCERT® Certified Reference Material
179	35992	Dichlorophene / 2,2'-dihydroxy--5,5'-dichlorodiphenylmethane	97-23-4	250 mg	Analytical Standard
186	506761	4-tert-Butylphenol	98-54-4	1 g	Analytical Standard
187	69168	α-Methylstyrene	98-83-9	1 mL	Analytical Standard
206	67262	2-Ethylhexyl acrylate	103-11-7	5 mL	Analytical Standard
207	47995-U	Di(2-ethylhexyl)adipate solution (2000 µg/mL in methanol)	103-23-1	1 mL	Certified Reference Material solution
208	A-064	Acetaminophen solution (0.1 mg/mL in methanol)	103-90-2	1 mL	Certified Reference Material solution
209	08607	2-Ethyl-1-hexanol	104-76-7	1 mL, 5 mL	Analytical Standard
217	40025	1,4-Dichlorobenzene solution (5000 µg/mL in methanol)	106-46-7	1 mL	Certified Reference Material solution
219	02578	(±)-Epichlorohydrin	106-89-8	1 mL	Analytical Standard



FCM No.	Cat. No.	Product Description	CAS	Pack Size	Quality Grade
225	40003	Acrylonitrile solution (5000 µg/mL in methanol)	107-13-1	1 mL	Certified Reference Material solution
226	41008	Ethylenediamine	107-15-3	1 mL	Analytical Standard
230	50632	2-Dimethylaminoethanol	108-01-0	1 mL	Analytical Standard
231	40327	Vinyl acetate solution (5000 µg/mL in acetonitrile)	108-05-4	1 mL	Certified Reference Material solution
237	53363	1,3-dihydroxybenzene / Resorcinol	108-46-3	100 mg	TraceCERT® Certified Reference Material
239	52549	2,4,6-triamino-1,3,5-triazine / Melamine	108-78-1	250 mg	Analytical Standard
241	48688	Phenol solution (500 µg/mL in methanol)	108-95-2	1 mL	Certified Reference Material solution
245	76969	1-Pentene	109-67-1	5 mL	Analytical Standard
246	78445	Tetrahydrofuran	109-99-9	5 mL	Analytical Standard
264	74900	1-Octene	111-66-0	5 mL	Analytical Standard
268	44146	1-Dodecene	112-41-4	5 mL	Analytical Standard
280	96382	Tris(2-chloroethyl) phosphate	115-96-8	100 mg	TraceCERT® Certified Reference Material
283	67261	Bis(2-ethylhexyl) phthalate	117-81-7	100 mg	TraceCERT® Certified Reference Material
284	76631	Methyl salicylate	119-36-8	1 mL, 5 mL	Analytical Standard
286	442842	Benzophenone	119-61-9	500 mg	Analytical Standard
289	50550	1,2-dihydroxybenzene / Pyrocatechol	120-80-9	100 mg	TraceCERT® Certified Reference Material
295	74347	1,4-dihydroxybenzene / Hydroquinone	123-31-9	100 mg	TraceCERT® Certified Reference Material
315	75918	2,6-Di-tert-butyl-4-methylphenol	128-37-0	50 mg	TraceCERT® Certified Reference Material
316	36925	Diallyl phthalate	131-17-9	250 mg	Analytical Standard
324	90969	Ricinoleic acid	141-22-0	100 mg	Analytical Standard
326	00278	Ethanolamine	141-43-5	5 mL	Analytical Standard
333	41706	Oxalic acid	144-62-7	100 mg	Analytical Standard
337	07563	4,4'-Difluorobenzophenone	345-92-6	500 mg	TraceCERT® Certified Reference Material
340	M-196	Cyanoguanidine solution (50 µg/mL in methanol)	461-58-5	1 mL	Certified Reference Material solution
351	66070	3-Methyl-1-butene	563-45-1	10 mL	Analytical Standard
352	36715	2,6-Dimethylphenol	576-26-1	1 g	Analytical Standard
356	52930	1-Hexene	592-41-6	5 mL, 10 mL	Analytical Standard
357	88497	3-Buten-2-ol	598-32-3	1 mL, 5 mL	Analytical Standard
366	68510	4-Methyl-1-pentene	691-37-2	5 mL, 25 mL	Analytical Standard
375	30649	1-Decene	872-05-9	5 mL	Analytical Standard
376	78769	1-Methyl-2-pyrrolidinone	872-50-4	5 mL, 10 mL	Analytical Standard
381	29648	Cyclooctene	931-88-4	1 mL	Analytical Standard
388	87187	1-Tetradecene	1120-36-1	5 mL, 25 mL	Analytical Standard
392	34064	2-Ethylhexyl diphenyl phosphate	1241-94-7	100 mg	Analytical Standard
420	14181	Dimethyl isophthalate	1459-93-4	50 mg	TraceCERT® Certified Reference Material
451	73569	2-Methyl-4-isothiazolin-3-one	2682-20-4	1 g	Analytical Standard
492	02343	Octocrylene	6197-30-4	1 mL	Analytical Standard
497	41601	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	1 mL	Analytical Standard
532	43956	soybean oil, epoxidised	8013-07-8	1 mL, 5 mL	Analytical Standard
635	49886	Butylated hydroxyanisole	25013-16-5	50 mg	TraceCERT® Certified Reference Material
793	50926	Triethanolamine	102-71-6	1 mL	Analytical Standard
798	49234	Bis(2-ethylhexyl) terephthalate	6422-86-2	1 mL	Analytical Standard

SigmaAldrich.com/fcm

To place an order or receive technical assistance

Order/Customer Service: **SigmaAldrich.com/order**
 Technical Service: **SigmaAldrich.com/techservice**
 Safety-related Information: **SigmaAldrich.com/safetycenter**

SigmaAldrich.com

Merck KGaA
 Frankfurter Strasse 250
 64293 Darmstadt, Germany

© 2019 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. Merck, the vibrant M, TraceCERT and Supelco are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources.

