

Year of selection	Name (CAS-No.)	Use	Method development
2010	<b>DINCH</b> 1,2-Cyclohexane dicarboxylic acid diisononyl ester (166412-78-8 Isomere mixture)	Plasticizer: phthalate substitute in toys, food packaging material, medical devices	Completed, published. Validation by the German Research Foundation (DFG) is completed.
	<b>DPHP</b> Di(2-propylheptyl)phthalate (53306-54-0)	Plasticizer: technologically replaces the phthalate DIDP in PVC-products for technical applications	Completed, published. Validation by DFG is completed.
	<b>HBCDD</b> Hexabromocyclododecane (25637-99-4)	Flame retardant	Completed. Validation by DFG is completed.
	<b>4-Nonylphenol</b> , branched (84852-15-3)	Starting material for the synthesis of nonylphenol ethoxylates, monomer for phenolic resins. Antioxidant/Stabilizer in technical oils	Completed. Validation by DFG is completed. New method published (2021).
	<b>4-tert-Octylphenol</b> (140-66-9)	Intermediate for the preparation of synthetic resins (used for rubber production for tires) and non-ionic surfactants	Completed. Validation by DFG is completed.
2011	<b>4-MBC</b> 3-(4-Methylbenzyliden)-camphor (36861-47-9)	UV-filter for cosmetics	Completed. Validation by DFG successfully completed.
	<b>MDI</b> Methylenediphenyl-diisocyanate (101-68-8 and 26447-40-5)	Insulating foam	Completed, published. Validation by DFG is in process.
	<b>2-MBT</b> 2-Mercaptobenzothiazole (149-30-4)	Vulcanization accelerator	Completed, published. Validation by DFG is completed.
	<b>NMP</b> N-Methyl-2-pyrrolidone (872-50-4)	Solvent in many technical applications, ingredient in paint, graffiti remover and carpeting	Completed, published. Validation by DFG is completed.
	<b>NEP</b> N-Ethyl-2-pyrrolidone (2687-91-4)	Polar aprotic solvent, substitute for NMP, e. g. for surface coatings, in cleaning agents and paint strippers	Completed, published. Validation by DFG is completed.

Year of selection	Name (CAS-No.)	Use	Method development
2012	<b>CMI/MI (3:1)</b> 5-Chloro-2-methyl-3-isothiazolinone / 2-Methylisothiazol-3(2H)-one (55965-84-9)	Preserving additive in cosmetics and industrial products, biocides	Completed, published. Additionally, a method for another biomarker, mercapturic acid metabolite, was being developed and published.
	<b>Geraniol</b> (106-24-1)	Fragrance	Completed, published. Validation by DFG is completed.
	<b>D4</b> Octamethylcyclotetrasiloxane (556-67-2)	Ingredient in cosmetics	Method development for urine not possible; finished without success.
	<b>D5</b> Decamethylcyclopentasiloxane (541-02-6)		
	<b>D6</b> Dodecamethylcyclohexasiloxane (540-97-6)		
2013	<b>ASE/ASEP, Mesamoll®</b> C10-C21 Alkylsulfonic acid phenylester (91082-17-6)	Plasticizer	Completed.
	<b>TOTM</b> Tri(2-ethylhexyl)trimellitate (3319-31-1)	Plasticizer; replaces phthalates mainly in medical devices	Completed, published.
	<b>DEHTP</b> Di(2-ethylhexyl)terephthalate (DEHT, DOTP) (6422-86-2)	Plasticizer	Completed, published.
	<b>OMC</b> Octylmethoxycinnamate (5466-77-3)	UV-filter for cosmetics	Method development completed, but not suitable for application in population studies.
	<b>BHT</b> Butylated Hydroxy Toluene 2,6-Di-tert-butyl-p-cresol (128-37-0)	Antioxidant, food additive	Completed, published. Validation by DFG is completed.

Year of selection	Name (CAS-No.)	Use	Method development
2014	<b>DINA</b> Diisononyladipate (33703-08-1)	Plasticizer	Completed, published.
	<b>DEHA</b> Di-(2-ethylhexyl)adipate 103-23-1	Plasticizer	Completed, published.
	<b>OC</b> Octocrylene (2-Ethylhexyl 2-cyano-3,3-diphenyl-2-propenoate) (6197-30-4)	UV-filter for cosmetics; stabilizer for plastics e.g. for food packaging material	Completed, published.
	<b>TDI</b> Tolylene-diisocyanate 2,4-TDI (584-84-9) and 2,6-TDI (91-08-7)	Foam and adhesives	In process.
	<b>Lysmeral</b> 2-(4-tert-Butylbenzyl) propionaldehyde (80-54-6)	Fragrance	Completed, published. Validation by DFG is completed.
2015	<b>EHS</b> 2-Ethylhexylsalicylate (Octisalate) (118-60-5)	UV-filter for cosmetics	Completed, published.
	<b>Climbazole</b> 1-(4-Chlorophenoxy)-1- (imidazol-1-yl)3,3- dimethylbutan-2-one) (38083-17-9)	Cosmetics preservative	Completed, published.
	<b>UV 328</b> 2-(2H-Benzotriazol-2-yl)-4,6-di- tert-pentylphenol (25973-55-1)	UV-absorber for plastics and paints	Methods for urine and blood published. Integration in multimethod planned.
	<b>7-Hydroxycitronellal</b> (107-75-5)	Fragrance	Completed, published. Validation by DFG is completed.

Year of selection	Name (CAS-No.)	Use	Method development
2016	<b>TDCPP</b> Tris(1,3-dichloroisopropyl) phosphate (13674-87-8)	Flame retardant	Completed, published. Validation by DFG is completed.
	<b>Avobenzone (BMDBM)</b> Butylmethoxydibenzoyl methane (70356-09-1)	UV-filter in cosmetics	In process.
	<b>Keromet MD</b> $\alpha,\alpha'$ -(1-methylethylene diimino)di-o-cresole (94-91-7)	Fuel additive	Method development for urine not possible as under physiological conditions Keromet degrades immediately to unspecific substances.
	<b>DnBA,</b> Dibutyl adipate (105-99-7)	Plasticizer, Cosmetic ingredient	Completed, published.
	<b>DHBB Uvinul A Plus</b> Diethylamino-hydroxybenzoyl-hexyl-benzoat (302776-68-7)	UV-filter in cosmetics	Completed, published.
2017	<b>Ethoxyquin</b> 6-ethoxy-2,2,4-trimethyl-1,2-dihydroquinoline (91-53-2)	Feed additive	Completed, published
	<b>BADGE</b> Bisphenol A diglycidyl ether mono-constituent substance: (1675-54-3) and multi-constituent substance (25068-38-6)	Epoxy resin coating for food packaging material	In process.
	<b>UV-P</b> 2-(2H-benzotriazol-2-yl)-p-cresol (2440-22-4)	UV-filter in varnish, polyurethane, plastics and rubber, adhesives and sealants, coating products and fillers	In process.
	<b>UV 327</b> 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol, Tinuvin 327 (3864-99-1)	UV-filter for plastics/ food packaging materials	Methods for urine and blood published. Integration in multimethod planned.
	<b>1-H-Benzotriazole</b> (95-14-7)	lubricants and greases, washing & cleaning products, anti-freeze products, coating products and heat transfer fluids	In process.

Year of selection	Name (CAS-No.)	Use	Method development
2018	<b>Bronopol</b> 2-bromo-2-nitropropane-1,3-diol (52-51-7)	Preserving additive in cosmetic products, biocide for preserving e.g. wall colour	In process.
	<b>2-Phenoxyethanol</b> (122-99-6)	Preserving additive in cosmetic products. Biocide for disinfection of surfaces and hands, solvent e.g. in adhesives for carpeting	Completed.
	<b>Rose oxide</b> Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran (16409-43-1)	Fragrance used in cosmetic, hygiene, wash, cleaning and household products	In process.
	<b>Homosalate</b> 3,3,5-Trimethylcyclohexyl 2-hydroxybenzoate (118-56-9)	UV-filter in cosmetics	Completed, published.
2019	<b>PBO</b> Piperonyl butoxide (51-03-6)	Biocide frequently used as a synergist with pyrethroids	In process.
	<b>DCPP</b> 5-chloro-2-(4-chlorophenoxy)phenol (3380-30-1)	Biocide for cleaning agents and disinfectants, used e.g. in restaurants or ice cream shops	In process.
	<b>Fipronil</b> (120068-37-3)	Broad-spectrum insecticide used e.g. in products for animal treatment (fleas/ticks), as ant repellent, as pesticide). Authorised for seed treatment until 31.07.2018.	In process.
	<b>2,4-DTBP</b> 2,4-Di-tert-butylphenol (96-76-4)	Intermediate product, breakdown product of a plastic additive; plastic packaging for food; drinking water pipes	Completed.

Year of selection	Name (CAS-No.)	Use	Method development
2020	<b>BIT</b> Benzisothiazolinone (2634-33-5)	Biocide, mainly used as a preservative	In process.
	<b>TMDD</b> 2,4,7,9-Tetramethyl-5-decyne-4,7-diol (126-86-3)	Detergent for polymerisations and coatings (paint, printing ink, adhesives) partly with food contact	Completed.
	<b>NBBS</b> N-Butylbenzenesulphonamide (3622-84-2)	Plasticiser for polyamide parts	In process.