

| Year of selection | Name (CAS-No.) | Use | Method development |
|-------------------|--|---|--|
| 2010 | DINCH 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. |
| | DPHP 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. |
| | HBCDD Hexabromocyclododecane (25637-99-4) | Flame retardant | Completed. Validation by DFG is completed. |
| | 4-Nonylphenol , 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). |
| | 4-tert-Octylphenol (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 | 4-MBC 3-(4-Methylbenzyliden)-camphor (36861-47-9) | UV-filter for cosmetics | Completed. Validation by DFG successfully completed. |
| | MDI Methylenediphenyl-diisocyanate (101-68-8 and 26447-40-5) | Insulating foam | Completed, published. Validation by DFG is in process. |
| | 2-MBT 2-Mercaptobenzothiazole (149-30-4) | Vulcanization accelerator | Completed, published. Validation by DFG is completed. |
| | NMP 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. |
| | NEP 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. |

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| 2012 | CMI/MI (3:1) 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. |
| | Geraniol (106-24-1) | Fragrance | Completed, published. Validation by DFG is completed. |
| | D4 Octamethylcyclotetrasiloxane (556-67-2) | Ingredient in cosmetics | Method development for urine not possible; finished without success. |
| | D5 Decamethylcyclopentasiloxane (541-02-6) | | |
| | D6 Dodecamethylcyclohexasiloxane (540-97-6) | | |
| 2013 | ASE/ASEP, Mesamoll® C10-C21 Alkylsulfonic acid phenylester (91082-17-6) | Plasticizer | Completed. |
| | TOTM Tri(2-ethylhexyl)trimellitate (3319-31-1) | Plasticizer; replaces phthalates mainly in medical devices | Completed, published. |
| | DEHTP Di(2-ethylhexyl)terephthalate (DEHT, DOTP) (6422-86-2) | Plasticizer | Completed, published. |
| | OMC Octylmethoxycinnamate (5466-77-3) | UV-filter for cosmetics | Method development completed, but not suitable for application in population studies. |
| | BHT Butylated Hydroxy Toluene 2,6-Di-tert-butyl-p-cresol (128-37-0) | Antioxidant, food additive | Completed, published. Validation by DFG is completed. |

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| 2014 | DINA Diisononyladipate (33703-08-1) | Plasticizer | Completed, published. |
| | DEHA Di-(2-ethylhexyl)adipate 103-23-1 | Plasticizer | Completed, published. |
| | OC 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. |
| | TDI Tolylene-diisocyanate 2,4-TDI (584-84-9) and 2,6-TDI (91-08-7) | Foam and adhesives | In process. |
| | Lysmeral 2-(4-tert-Butylbenzyl) propionaldehyde (80-54-6) | Fragrance | Completed, published. Validation by DFG is completed. |
| 2015 | EHS 2-Ethylhexylsalicylate (Octisalate) (118-60-5) | UV-filter for cosmetics | Completed, published. |
| | Climbazole 1-(4-Chlorophenoxy)-1- (imidazol-1-yl)3,3- dimethylbutan-2-one) (38083-17-9) | Cosmetics preservative | Completed, published. |
| | UV 328 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. |
| | 7-Hydroxycitronellal (107-75-5) | Fragrance | Completed, published. Validation by DFG is completed. |

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| 2016 | TDCPP Tris(1,3-dichloroisopropyl) phosphate (13674-87-8) | Flame retardant | Completed, published. Validation by DFG is completed. |
| | Avobenzone (BMDBM) Butylmethoxydibenzoyl methane (70356-09-1) | UV-filter in cosmetics | In process. |
| | Keromet MD α,α' -(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. |
| | DnBA, Dibutyl adipate (105-99-7) | Plasticizer, Cosmetic ingredient | Completed, published. |
| | DHBB Uvinul A Plus Diethylamino-hydroxybenzoyl-hexyl-benzoat (302776-68-7) | UV-filter in cosmetics | Completed, published. |
| 2017 | Ethoxyquin 6-ethoxy-2,2,4-trimethyl-1,2-dihydroquinoline (91-53-2) | Feed additive | Completed, published |
| | BADGE 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. |
| | UV-P 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. |
| | UV 327 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. |
| | 1-H-Benzotriazole (95-14-7) | lubricants and greases, washing & cleaning products, anti-freeze products, coating products and heat transfer fluids | In process. |

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| 2018 | Bronopol 2-bromo-2-nitropropane-1,3-diol (52-51-7) | Preserving additive in cosmetic products, biocide for preserving e.g. wall colour | In process. |
| | 2-Phenoxyethanol (122-99-6) | Preserving additive in cosmetic products. Biocide for disinfection of surfaces and hands, solvent e.g. in adhesives for carpeting | Completed. |
| | Rose oxide Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran (16409-43-1) | Fragrance used in cosmetic, hygiene, wash, cleaning and household products | In process. |
| | Homosalate 3,3,5-Trimethylcyclohexyl 2-hydroxybenzoate (118-56-9) | UV-filter in cosmetics | Completed, published. |
| 2019 | PBO Piperonyl butoxide (51-03-6) | Biocide frequently used as a synergist with pyrethroids | In process. |
| | DCPP 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. |
| | Fipronil (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. |
| | 2,4-DTBP 2,4-Di-tert-butylphenol (96-76-4) | Intermediate product, breakdown product of a plastic additive; plastic packaging for food; drinking water pipes | Completed. |

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| 2020 | BIT Benzisothiazolinone (2634-33-5) | Biocide, mainly used as a preservative | In process. |
| | TMDD 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. |
| | NBBS N-Butylbenzenesulphonamide (3622-84-2) | Plasticiser for polyamide parts | In process. |