## Potential Formaldehyde Sources in the Indoor Environment as Determined in Different

Source	Comments	
Wood and Wood-Based Products		
solid wood	oak, Douglas fir, beech, spruce, pine	
particle board	effect of hot-pressing	
particle board	recycled wood-waste sprayed with PMDI/PF	
particle board, MDF	comparison of standard methods	
particle board	effect of aging	
particle board	effect of humidity and temperature	
oriented-strand board	comparison of analytical techniques	
wood-based composites	laminate, engineered flooring, MDF, particle	
	board	
wood based panels	effect of loading and ventilation	
wood panels	interlaboratory comparison	
particle board, plywood	with carpet and insulation	
pressed wood products		
wood-based flooring materials	effect of ozone, infrared, sunlight, UV-A, UV-	
	В	
<b>Insulation Materials</b>		
mineral wool		
mineral wool	interlaboratory comparison	
Flooring Materials		
carpet	interaction of ozone	
laminate	effect of temperature	
Cork products	natural cork and cork tiles	
building finishing materials	effect of temperature	
Coating Materials		
latex paint		
latex paint	presence of ozone	
water-based paint	emission of biocides	
natural paint	presence of ozone	
photocatalytic paint	effect of irradiation	
Combustion		
wood burning	wood-heated homes in Quebec, Canada	
wood burning	wood-heated homes in Sweden	
cooking stoves		
cooking	residential cooking activities in a test house	
burning of incense	measured in temples	
cigarette smoking		
mosquito coils and candles		

Miscellaneous		
laser printers, photocopiers		
miscellaneous building materials	pine wood, gypsum board, wallpaper, carpet,	
	PVC, linoleum, paint,	
	and presence of ozone	
furniture and home equipment	parquet, sofa, table, chair, carpet, book shelves	
miscellaneous building materials	plywood, particle board, hard board, carpet,	
	barrier materials	
miscellaneous building materials	test house study	
textiles, permanent-press fabrics	effect of aging, temperature, humidity	
wall coverings	paper, acrylic, PVC	
cleaning products, air fresheners		
car air freshener	presence of ozone	
chemical products	formaldehyde and formaldehyde releasers 446	
cleaning activities		
household products	presence of ozone	
consumer products	55 materials studied	
miscellaneous materials	carpet, wall, floor, cooking oil, and presence of	
	ozone	
miscellaneous materials	wood-based products, carpet, textiles, heaters,	
	burners, cigarettes	
miscellaneous polymeric materials	PVC, carpet, SBR, wall coverings, rubber	
	foam backing	
VOC mixtures	presence of ozone	
portable air cleaners	with and without air freshners	
miscellaneous materials	ozone reactions during disinfection	
miscellaneous materials	aircraft cabin materials and clothing fabrics	

Source: Tunga Salthammer at. Al. (2015), Formaldehyde in the Indoor Environment, Chem. Rev.

## Formaldehyde Reduction of pot plants

Sample	Picture	relative Leaf	% НСОН	Final
		area	Reduction	<b>HCOH ppm</b>

Pot Media	-	6.67%	1.654
Scindapsus aureus (Golden pothos)	++	79.72%	0.315
Chloroptum Comosum (Spider Plant)	+	35.80%	0.997
Kalanchoe Blossfeldiana (Flaming Katy)	+	36.06%	0.993
Homalomena wallisii (Homalomena Rubescens Kunth)	+++	60.27%	0.617
Sansevieria (Mother-in-laws Tongue)	++	63.68%	0.564
Dracaena Fragrans	+++	54.92%	1.412
Nephrolepis exaltata	+++	61.09%	0.434

Source: Jinsart, Wanida at al. 2016, Removal of formaldehyde from the indoor environment by pot-plants and Agriculture wastes, casanz conference.