

Microplastics in the air

in 50 cubic meters

Outdoor





Non intentionally added substances

e.g. recycled plastics, food packaging

Adsorption of pollutants by microplastics

Pollutants include hazardous chemicals, antibiotic and heavy metals

Pathogens found on floating plastics

Vibrio spp., a well-known genus of bacteria containing pathogenic strains to humans and animals (e.g. cholera)



Microplastics in food

75 particles*







Beer 27 items per glass* (250 ml)

Salt 14 items per spoon* (20 gr)



Fish and shellfish



*Maximum value referred

Sources of toxic additives exposure



Main categories of plastic additives

Functional

Stabilisers, antistatic agents, flame retardants, plasticizers, lubricants, slip agents, curing agents, foaming agents, biocides, etc.



Fillers



Mica, talc, kaolin, clay, calcium carbonate, barium sulphate, etc.

Colourants

Pigments, soluble azo-colorants, etc.



Reinforcement

Glass fibres, carbon fibres, etc.

