

Date: 24.09.2023

To: M/s. SMART ENTERPRISES
54C, VOC Street, Fatima Nagar, Nemilicherry, Chrompet, Chennai, Tamil Nadu – 600044

DECLARATION: LEATHER-DYES / AROMATIC AMINES DERIVED FROM AZO DYES

We are herewith declaring that our following dyestuffs not contain banned amines included in the list of page 2 more than the below content limit as required by below MRSL specifications (Manufacturing Restricted Substances List) and Reach compliance (European directive 1907/2006/EC)
Then we declare that our products not contain any of SVHC substances as per list published by ECHA and subsequent amendments, on higher percentage than indicated by REACH Regulation

MRSL KERING Version 2016	(Content Limit - 200 ppm tested in the product)
MRSL ZDHC Version 3.1	(Content Limit - 150 ppm tested in the product)
REACH	(Content Limit - 30 ppm tested in the leather)

LIST OF BANNED AMINES:

Test Method : Based on EN 14362-1: 2017, for 4-Aminoazobenzene : EN 14362-3 : 2017;

Chemical Name	CAS Number
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4
4,4'-methylenedianiline	101-77-9
4,4'-oxydianiline	101-80-4
4-chloroaniline	106-47-8
3,3'-dimethoxybenzidine	119-90-4
3,3'-dimethylbenzidine	119-93-7
6-methoxy-m-toluidine	120-71-8
2,4,5-trimethylaniline	137-17-7
4,4'-thiodianiline	139-65-1
4-aminoazobenzene	60-09-3
4-methoxy-m-phenylenediamine	615-05-4
4,4'-methylenedi-o-toluidine	838-88-0
2,6-xylidine	87-62-7
o-anisidine	90-04-0
2-naphthylamine	91-59-8
3,3'-dichlorobenzidine	91-94-1
4-aminodiphenyl	92-67-1
Benzidine	92-87-519
o-toluidine	95-53-4
2,4-xylidine	95-68-1
4-chloro-o-toluidine	95-69-2
4-methyl-m-phenylenediamine	95-80-7
o-aminoazotoluene	97-56-3
5-nitro-o-toluidine	99-55-8
2-Naphthylammoniumacetate	553-00-4
4-chloro-o-toluidinium chloride	3165-93-3
4-methoxy-mphenylene diammonium sulphate	39156-41-7
2,4,5-trimethylaniline hydrochloride	21436-97-5



Notes :

If present, *o-Aminoazotoluene is further reduced to o-Toluidine during analysis

If present, ** 5-Nitro-o-toluidine is further reduced to 2,4'-Toluyldiamine during analysis

If present, *** Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1, 4-phenylenediamine.

Therefore the test method of EN 14362-3: 2017 is employed to verify the presence of 4-aminoazobenzene

Under certain circumstances the detection of 4-Aminodiphenyl can be due to the rearrangement of molecules leading to false Positive result