

Comparison Table Between 2010 Version and 2003 Version of GB 18401

2011 年新版国家纺织产品基本安全技术规范（**GB 18401—2010**）发布，此版本将取代目前实施的 **GB 18401—2003**，将于 **2011 年 8 月 1 日** 起实施。**GB18401—2010** 与 **GB 18401—2003** 相比，有哪些变化，哪些地方是国内外纺织企业需要注意的？本文作者是远东正大检验高级检测工程师。如果需要中文版本，可以与我们联系。

| Item | | 2010 | | | 2003 | | |
|--|--|---|------------------------------------|---|---|------------------------------------|---|
| | | A (Below 24 monthes infant products) | B (direct contact with skin) | C (not direct contact with skin) | A (Below 36 monthes infant products) | B (direct contact with skin) | C (not direct contact with skin) |
| formaldehyde % (mg/kg) ≤ | | 20 | 75 | 300 | 20 | 75 | 300 |
| pH value ^a | | 4.0~7.5 | 4.0~8.5 | 4.0~9.0 | 4.0~7.5 | 4.0~7.5 | 4.0~9.0 |
| Colourfastness ^b (Grade) ≥ | To Water (colour change, staining) | 3-4 | 3 | 3 | 3-4 | 3 | 3 |
| | To acidic perspiration (colour change, staining) | 3-4 | 3 | 3 | 3-4 | 3 | 3 |
| | To alkali perspiration (colourchange, staining) | 3-4 | 3 | 3 | 3-4 | 3 | 3 |
| | To rubbing (Dry) | 4 | 3 | 3 | 4 | 3 | 3 |
| | To saliva (colourchange, staining) | 4 | - | - | 4 | - | - |
| Peculiar odour | | No | | | No | | |
| Decomposable carcinogenic arylamine | | Forbidden | | | Forbidden | | |

| | | |
|---|--|--------------------------------|
| dye °(mg/kg) | (Testing method: GB/T 17592) | (Testing method: GB/T 17592.1) |
| Remark | | |
| 2010 | 2003 | |
| a. The pH value can be adjusted to 4.0~10.5 for non-end products that must undergo wet processing in further processing procedures. b. Not applicable to: non-end products that must undergo washing and fading processes, products products such as tie dyed or wax printed products. Only baby/children products need to be tested for colourfastness to saliva. c. Please see appendix C for list of decomposable carcinogenic arylamine dyes, limit value: ≤20 mg/kg. | a. The pH value can be adjusted to 4.0~10.5 for non-end products that must undergo wet processing in further processing procedures. b. Not applicable to: products that must undergo washing and fading processes. c. Under the deoxidizing conditions, the decomposable carcinogenic aralamine dyes in appendix C should be not detected | |

Appendix C

List of decomposable carcinogenic arylamines

| 2010 | | | | 2003 |
|------|-----------------------------|--------------|-----------------------|--------------|
| No. | English name | Chinese name | Chemical extracts No. | |
| 1 | 4-Aminobiphenyl | 4-氨基联苯 | 92-67-1 | Same as 2010 |
| 2 | Benzidine | 联苯胺 | 92-87-5 | Same as 2010 |
| 3 | 4-Chloro-o-toluidine | 4-氯-邻甲苯胺 | 95-69-2 | Same as 2010 |
| 4 | 2-Naphthylamine | 2-萘胺 | 91-59-8 | Same as 2010 |
| 5 | o-Aminoazotoluene | 邻氨基偶氮甲苯 | 97-56-3 | Same as 2010 |
| 6 | 5-Nitro-o-toluidine | 5-硝基-邻甲苯胺 | 99-55-8 | Same as 2010 |
| 7 | p-Chloroaniline | 对氯苯胺 | 106-47-8 | Same as 2010 |
| 8 | 2,4-Diaminoanisole | 2,4-二氨基苯甲醚 | 615-05-4 | Same as 2010 |
| 9 | 4,4'-Diaminobiphenylmethane | 4,4'-二氨基二苯甲烷 | 101-77-9 | Same as 2010 |

| | | | | |
|-----------|---|-----------------------|----------------|--------------|
| 10 | 3,3'-Dichlorobenzidine | 3,3'-二氯联苯胺 | 91-94-1 | Same as 2010 |
| 11 | 3,3'-Dimethoxybenzidine | 3,3'-二甲氧基联苯胺 | 119-90-4 | Same as 2010 |
| 12 | 3,3'-Dimethylbenzidine | 3,3'-二甲基联苯胺 | 119-93-7 | Same as 2010 |
| 13 | 3,3'-Dimethyl-4,4'-diaminobiphenylmethane | 3,3'-二甲基-4,4'-二氨基二苯甲烷 | 838-88-0 | Same as 2010 |
| 14 | p-Cresidine | 2-甲氧基-5-甲基苯胺 | 120-71-8 | Same as 2010 |
| 15 | 4,4'-Methylene-bis-(2-chloroaniline) | 4,4'-亚甲基-二-(2-氯苯胺) | 101-14-4 | Same as 2010 |
| 16 | 4,4'-Oxydianiline | 4,4'-二氨基二苯醚 | 101-80-4 | Same as 2010 |
| 17 | 4,4'-Thiodianiline | 4,4'-二氨基二苯硫醚 | 139-65-1 | Same as 2010 |
| 18 | o-Toluidine | 邻甲苯胺 | 95-53-4 | Same as 2010 |
| 19 | 2,4-Toluyldiamine | 2,4-二氨基甲苯 | 95-80-7 | Same as 2010 |
| 20 | 2,4,5-Trimethylaniline | 2,4,5-三甲基苯胺 | 137-17-7 | Same as 2010 |
| 21 | o-Anisidine | 邻氨基苯甲醚 | 90-04-0 | Same as 2010 |
| 22 | 4-Aminoazobenzene | 4-氨基偶氮苯 | 60-09-3 | None |
| 23 | 2,4-Xylidine | 2,4-二甲基苯胺 | 95-68-1 | Same as 2010 |
| 24 | 2,6-Xylidine | 2,6-二甲基苯胺 | 87-62-7 | Same as 2010 |