



GB/T 19942-2019 *Leather and Fur – Chemical Tests - Determination of Banned Azo Colorants* Would be Effective as of July 1st, 2020

China mandatory standard GB 20400 Leather and Fur – Limit of harmful matter has been effective since 2007. The specified banned azo colorants test standard GB/T 19942 has been recently updated to 2019 version. The new version has reference to ISO 17234-1:2015. The new version also has the reference to GB/T 33392 for the detection of 4-aminoazobenzene, which was not listed as one of the analyzed amines in previous version. Major updates on the new version are listed below.

Sections	GB/T 19942-2005	GB/T 19942-2019	Note
Normative references	/	Remove the year version reference to GB/T 6682, add reference to GB/T 33392	Add reference to GB/T 33392 for the detection of 4-aminoazobenzene
Glossary and definition	Table 1 has 23 amines from banned azo dyes	Table 1 has 24 amines from banned azo dyes	Add 4-aminoazobenzene
Theory	With test conditions provided	Focus on theory explanation without test conditions	/
Reagents & materials	/	Add purity requirement of methanol and t-butyl,methyl ether. Add the use of ethyl acetate.	Aligned with ISO 17234-1:2015
	/	Add sodium dithionite preparation and validity condition	
	/	Revise citric acid buffer pre-heating condition with tolerance	
Equipment & apparatus	/	Revise analytical instrument description	Revise the description with no significant impact
Sampling	/	Add the sampling procedure for samples with printing and multiple colors, or with different natures	Samples with different printing, colors, nature shall be tested separately as much as possible
Test procedure	/	Add post reductive cleavage treatment time and temperature tolerance	/
	Collected sample after liquid to liquid extraction does not have filtration before instrumental analysis	Add filtration after liquid to liquid extraction before instrumental analysis	/
	Instrumental analysis parameters are listed in the standard body	All instrumental analysis parameters are listed in Annex C of the standard. Add HPLC/MSD parameters	/
	/	Revise the amine content from banned azo dyes determination formula	Revise the denotation of formula with no significant impact
Result interpretation	3 set of different amine standard recovery criteria as validation to the reliability of the analysis.	Redefine calibration amine standard recovery criteria. Add notes on the possibility of decomposition of 2-aminoazotoluene, 2-amino-4-nitrotoluene and 4-aminoazobenzene.	Fine tune calibration amine standard recovery procedure as validation.in section 10.
Result reporting	<ul style="list-style-type: none"> Standard number: Sample name, type and source Any abnormal observation Any deviation of the method Any confirmation of the results with another instrumentation test method. Amount of amines detected (mg/kg) Statements of results above and below detection limit, and the possible presence of 4-amino-diphenyl & 2-naphthylamine Analyst name and date. 	<ul style="list-style-type: none"> Standard number: Sample name, type and source Any deviation of the method Any confirmation of the results with another instrumentation test method. Amount of amines detected (mg/kg) 	Simplify the result report and leave additional information disclosure at lab discretion.

How Does this Impact You? Contact Us to Discuss

Any comments and/or questions please contact your local customer service representative or email to:

China – Guangzhou: bvcps_pyinfo@bureauveritas.com

China – Shanghai: contact-cn@bureauveritas.com

Bureau Veritas Consumer Products Services, Inc. (“BVCPS”) provides the information in this client bulletin as a resource of general information. It does not replace any applicable legal or regulatory requirements and is provided “as is.” BVCPS will not be liable for any indirect, special, punitive, consequential or other damages (including without limitation lost profits) of any kind in connection with this client bulletin. BVCPS DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH THIS CLIENT BULLETIN.