ptp.

Kit 16-1-2023
PTP Metallic

Technical Definition

Chemistry on Surface Treatment bath
Tartaric Sulphuric Acid Anodising solution

You shall respect the HSE policy of your laboratory and the recommendations of the MSDS for each performed test.

Instructions to participant laboratories

Please read carefully these instructions BEFORE starting the tests.

1. 100 mL of TSA (tartaric sulphuric acid anodising) bath is supplied to each participant. Please refer to each test standard for the sampling volume.

2. All tests have to be performed at **room temperature** (between 20 and 25 °C) in accordance with the requirements of the following standards: **AITM 3-0030, AITM 3-0032, AITM 3-0035** and **AITM 3-0036**.

   Nota: This kit proposes 4 AITM, if you are not qualified for 1 or several AITM then you are not required to provide results.
   The participation is required only for the qualified test methods.

   The tests shall be performed respecting the following conditions:

   - One operator only
   - One testing machine only
   - Tests performed in sequence

3. The following information need to be reported:

AITM 3-0030 (3 measurements):

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Test temperature	°C	XX,X	Mandatory	No
Sampling volume	mL	X,X	Mandatory	No
Titrated average Volume according to Chapter 8.1 (AITM 3-0030)	mL	X,XX	Mandatory	No
Titrated average Volume according to Chapter 8.2 (AITM 3-0030)	mL	X,XX	Mandatory	No
Total acid concentration	g/L	X,X	Mandatory	**Yes**
Sulphuric acid concentration	g/L	X,X	Mandatory	**Yes**
Tartaric acid concentration	g/L	X,X	Mandatory	**Yes**

AITM 3-0032 (1 measurement):

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Test temperature	°C	XX,X	Mandatory	No
Sampling volume	mL	X,X	Mandatory	No
Metals concentration : Al, Cu, Mn, Mg, Si, Fe, Cr, Zn and Ti	mg/L	X,XXX	Not mandatory if not qualified	**Yes**

AITM 3-0035 (1 measurement):

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Test temperature	°C	XX,X	Mandatory	No
Sampling volume	mL	X,X	Mandatory	No
Consumption $AgNO_3$	mL	X,X	Mandatory	No
Titer $AgNO_3$	mol/L	X,XXX	Mandatory	No
Chloride concentration	mg/L	X,XX	Mandatory	**Yes**

AITM 3-0036 (1 measurement):

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Test temperature	°C	XX,X	Mandatory	No
Sampling volume V_S	mL	X,X	Mandatory	No
Volume at the first end point V_1	mL	X,X	Mandatory	No
Hydrogen Ions concentration	g/L	X,X	Mandatory	**Yes**

All evaluated characteristics will be analysed according to the algorithm A and S (if applicable) (ISO 13528 – 2022) and evaluated using z-score.

4. Testing shall start **as soon as test sample is received**. Please contact the following e-mail address for any technical or administrative query.

Submission date :	**September 1st, 2023**
Technical and administrative support :	info@ptpscheme.com

5. Instructions for submission of results are detailed on the website:

https://ptpscheme.com/

6. The sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.

7. Collusion and falsification of your PTP results are totally forbidden. In case of identification or suspicion of collusion or falsification, the laboratory will be excluded from the program and the sponsors will be immediately informed. The sponsors could ask you for proof of your results, so be sure to conserve data, curves and specimens.

REVISION HISTORY

Issue Date	Issue N°	Changes
01/03/2023	1	Creation of the document
09/05/2023	2	Modification of the submission date