Preface

The specifications Test Results in the Overview document are intended not only to indicate the compliance of the samples with the specifications but also to confirm that the specification values and test methods are appropriate. Therefore, in your Test Results report, make sure you indicate not only the results to show that each lot complies with the specifications, but also the interim progress values and the actual values measured during the test. Also, describe the test results for each item specified in the draft specifications.

Items to be included in the Test Results report

1 Title (includeing the name of the target substance. Example: Test Results report test for xxx)

2 Date of report

3 Author

4 Testing institution (e.g., institution name, address, phone number, email address)

Note: Describe the contents of (1) to (4) below for each item specified in the draft specifications.

(1) Test samples
(a) Test sample information
– Add information on the sample's origin, such as the name, manufacturer, date of production, and lot number.
(b) Number of test samples (in principle, three or more lots)
Note: You may use three or more products from different manufacturers instead of using three lots.
(c) Number of trials (in principle, three or more trials per lot)

(2) Test method
(a) Procedure
– Include the entire text of the test method given in the draft specifications.
– For Description, refer to General Notices 27 and 28 of Japan's Specifications and Standards for Food Additives (JSFA).
– Operating conditions: Describe the operating conditions (including equipment conditions) used in the test.
(b) Reagent chemicals and reagent solutions: Describe the reagent chemicals and reagent solutions used in the test (e.g., specifications, purity, manufacturer's name).
(c) Equipment: Describe the equipment used in the test (e.g., model, manufacturer)

(3) Test results
(a) For Description
– Attach a photo of each trial for each lot as ~~your~~ observation results.
(b) For Identification Tests
– Attach a photo of each trial for each lot as observation results for qualitative tests in which changes are checked visually.
– In setting up an infrared absorption spectrum, attach the absorption spectrum of the test sample, investigate which characteristic absorption band each absorption peak belongs to, and tabulate the results.
(c) For tests where specification values are set, such as Content, Specific properties, Purity Tests, and Loss on Drying
– In Purity Tests, for limit tests that compare the color and turbidity of solutions, such as Clarity of solution, Chloride content, and Sulfate content, indicate actual measured values as much as possible by e.g., measuring the absorbance at 535 nm for arsenic or 600 nm for turbidity comparison.
– Present in table form the data needed to calculate the concentrations in the test solutions and the samples, such as the weight of the sample and the measured values (e.g., absorbance, peak area).
– Present a calibration curve if necessary.
– When HPLC or GC is used, attach chromatograms of the reference standard and the sample.

(4) Conclusion
– On the basis of the test results, conclude that the specifications (values) and test methods in the draft specifications were appropriate.

Example of a report description

Test Results report for xxx

Date of report: MM/DD/YYYY
Author: xxx
Testing institution: xxx

Results of the xxx test

1. Test samples

Name:
Manufacturer:
Date of production:
Lot number:

2. Test method

(1) Procedure

(2) Reagent chemicals and reagent solutions

(3) Equipment

3. Test results

4. Conclusion

Note: This is an example of how to prepare a report. Your report does not necessarily have to be consistent with this if there are more appropriate ways of describing your results. Items to be included in the test method should be changed as appropriate to suit your test method.