



Republic of the Philippines  
Department of Agriculture  
**SUGAR REGULATORY ADMINISTRATION**  
Sugar Center Bldg., North Ave., Diliman, Quezon City  
Philippines 1101  
TIN 000-784-336



MEMO-LAB/ILS-2019-AUG-001

August 27, 2019

**MEMORANDUM CIRCULAR NO. 5**  
Series of 2019

**SUBJECT: GUIDELINES IN THE SUBMISSION AND ANALYSES OF WHITE SUGAR SAMPLES FOR THE MONITORING AND ASSESSMENT OF CONFORMANCE TO PHILIPPINE NATIONAL STANDARDS (PNS) SPECIFICATIONS FOR WHITE SUGAR (PNS/BAFS 82:2018)**

Pursuant to the SRA's mandate to establish a supply chain monitoring system from sugarcane to sugar at the retail level to ensure sufficiency and safety of sugar under Section 8 of the Sugarcane Industry Development Act of 2015, this Guideline is hereby issued and prescribed:

I. SCOPE

The guideline specifies the procedures and requirements for the submission of white sugar samples by refineries/mills to SRA Laboratories for the monitoring of its conformance to the specifications of **PNS for White Sugar**.

II. OBJECTIVES

1. To monitor the conformance of all Philippine White Sugar to the PNS for White Sugar (PNS/BAFS 82:2018)
2. To ensure uniformity of sampling procedures of samples submitted to the SRA laboratory

III. DEFINITIONS

For purposes of this Guideline, the following definitions shall apply:

1. White Sugar, premium grade – refers to purified and crystallized sucrose (saccharose) with a polarization not less than 99.8°Z
2. White Sugar, standard grade – refers to purified and crystallized sucrose (saccharose) with a polarization not less than 99.7°Z
3. Plantation or Mill White Sugar - refers to purified and crystallized sucrose (saccharose) with a polarization not less than 99.5°Z
4. Biweekly sample – composite sample of two weekly milling/refining periods



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#### IV. PROCEDURES

##### 1. Sampling and Preparation of White Sugar Biweekly Composite Sample at Sugar Mill/Refineries

###### a. Sampling Device

All mills/refineries are required to install acceptable automatic/continuous sampling devices before bagging that must obtain proportionate representative samples and preserves the quality of the samples obtained.

###### b. Hourly Sugar Samples (HSS)

Proportionate hourly composite sugar samples (HSS) are collected regularly at the end of each hour and stored in clean, dry and airtight containers.

###### c. Daily Sugar Samples (DSS)

At the regular closing of each 24 hour period, the daily sugar sample (DSS) is prepared by thoroughly mixing the HSS for the day, and taking at least one (1) kilogram aliquot and set aside for the preparation of the weekly composite sugar sample (WSS).

###### d. Weekly Sugar Samples (WSS)

At the end of each weekly milling/refining period, the seven one (1) kilogram aliquot set aside daily shall in turn be composited in proportion to the daily production.

###### e. Biweekly Sugar Samples

At the end of two weekly milling/refining period, the two weekly composited samples shall in turn be composited in proportion to the weekly production.

f. The final sample size shall be one (1) kilogram and submitted to the laboratory in **duplicate**. It shall be placed/packed in a container or plastic bags of sufficient bursting strength and durability to ensure complete protection during transit and storage of the retained samples for future references.

g. The composited biweekly sample shall be packed, sealed and properly labeled in the presence of the mill/refinery chemist and SRA authorized representative. Each sample container/packaging shall be labeled with the name of the refinery of origin, classification (white sugar - premium grade , white sugar - standard grade or plantation or mill white sugar), the biweekly milling/refining period with the corresponding volume of the white sugar manufactured and the date of preparation. The label shall bear the signature of the QA/QC head of the mill/refinery and the SRA authorized representative.

h. The samples shall be submitted to the Sugar Regulatory Administration, Laboratory Services Division, Ground Floor, Annex Bldg., North Avenue, Diliman, Quezon City within the succeeding week after the production period covered. The preparation and transmittal shall be at the expense of the sending refineries.

2. Analyses of Biweekly Composite Sugar Samples

a. SRA Laboratory shall conduct routine quality and safety tests on the biweekly composite sample submitted in accordance with the prescribed methods of analysis in the Philippine National Standard for White Sugar (PNS/BAFS 82:2018).

b. SRA shall send original copies of the complete results of its analysis on the biweekly composite samples submitted by the refineries to the Resident Manager of the refinery/mill concerned.

V. PENALTY CLAUSE

Any mill/refinery who failed to comply with these guidelines shall be reported to the Sugar Board for appropriate action.

VI. EFFECTIVITY

This Guideline shall become effective immediately upon approval of the Sugar Board.

By Authority of the Sugar Board:

  
**HERMENEGILDO R. SERAFICA**  
Administrator