PCF_Validation_Biogenic

File link:

1. Purpose of the file:

This sheet is used to collect, track qualification on biogenic carbon and related data for finished products at the plant and material level.
It centralizes information on product characteristics, calculation results, validation status, and relevant metadata.
The data supports the monitoring and reporting of biogenic carbon content and other sustainability metrics across different sites and business units.

Most fields are automatically exported by the digital tool and should not be modified by the user.
Only specific fields require user input to ensure data accuracy and completeness.

2. File Structure

2.1. List of tabs

Sheet Name	Description	Mandatory	Comment
Biogenic_Validation	This sheet is used to collect, track qualification on biogenic carbon and related data for finished products at the plant and material level.	YES	Don't delete this sheet

2.2. Main columns description
SHEET: Biogenic_Validation

	gbu	site_code	site_name	plant_code	plant_name	material_code	material_name	prod_year	product_type	bom_balance	tcc_rm_mapped	bcc_final	rci_fp	tcc_fp_estimated	source_biogenic_fp	source_biogenic_fp_comment	fact_biogenic_is_valid	fact_biogenic_meta_insert_date	fact_biogenic_meta_run_id	fact_biogenic_meta_updated_date	validation_input	comment	last_validated_value	last_bcc_final	last_rci_fp	last_tcc_fp_estimated	bcc_valid_id	last_validated_comment	validation_insert_date
Field Description	SAP code of the Global Business Unit (CS for Novecare, SP for Specialty Polymers, TS for Technology Solutions, etc.)	Unique code assigned (for identification in Cerise) to the site where the material is produced	Name of the site where the material is produced	Unique code assigned (for identification in SAP) to the plant where the material is produced	Name of the plant where the material is produced	Unique code assigned to the material for identification in SAP	Name of the material in SAP	Year for which the biogenic KPIs are computed	Indicates if the product is simple (only the Finished product is produced during the process) or complex (BOM recipe contains materials produced simultaneously with the Finished product)	Proportion of raw materials in the Bill of Materials (BOM) of the finished product. This value indicates the share of unmodified raw materials relative to the total composition of the finished product.	Indicates Percentage of raw material quantity for which the Total Carbon Content has been mapped	Final calculated value of Biogenic Carbon Content for the finished product	Renewable Carbon Index of the material: percentage (%) of carbon in the material that comes from renewable sources, representing the ratio of renewable or biogenic carbon (BCC) to the total carbon content (TCC)	Total Carbon Content of the material: amount of carbon present in one kilogram of a product, measured in kgC / kg of material	Source of biogenic data: can be manually imported ("Manual FP Biogenic") or computed by the PCF tool ("Computed FP biogenic")	Comment on biogenic data (especially for manual import)	Indicator confirming that the data is the most recent, valid, and relevant	Date on which the data was first calculated	Unique identifier assigned to the specific calculation process	Date on which the data was most recently updated	Evaluation of the data by the data owner to highlight or explain the data inserted	Notes added by the data owner to highlight or explain the data inserted	Most recent validation status (YES or NO) that was validated for the product	Most recent final value of Biogenic Carbon Content validated for the product	Most recent final value of Renewable Carbon Index validated for the product	Most recent final value of Total Carbon Content validated for the product	Unique identifier for the LAST biogenic carbon content validation record	Most recent comment associated with the validation process	Date when the validation record was inserted
Data type	String	String	String	String	String	String	String	String YYYY	String	Float	Float	Float	Float	Float	String	String	String	String	String	String	String / YES or NO only	String	String	Float	Float	Float	String	String	String

SAMPLE	CS	1869	MEREVILLE	4006	6422Mereville	WP2_400/3235378	PERIDIAMEXTRA3171X200LDRM	2024	COMPLEX	0.9262499166	1	0	0	0.165	Computed FP biogenic		YES	2025-07-16 1:55:00	b6T3F1	2025-08-28 12:58:44			YES	0	0	0.1646553717	10f37e036ca512add92e8a6c9e3b9466		2025-07-09 5:43:08
MANDATORY/USER INPUT REQUIRED	YES / Exported from PCF digital tool	YES / Exported from PCF digital tool	NO / Exported from PCF digital tool	YES / Exported from PCF digital tool	NO / Exported from PCF digital tool	YES / Exported from PCF digital tool	NO / Exported from PCF digital tool	YES / Exported from PCF digital tool	NO / Exported from PCF digital tool	YES / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	YES / INPUT REQUIRED / MANDATORY	YES / INPUT REQUIRED / MANDATORY	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool	NO / Exported from PCF digital tool

3. Filling instructions

Sheet Name	Instructions			
Sheet1	• **Fields to Complete (User Input Required):** validation_input: Enter the input or value used for validation purposes. This field is mandatory. Values = YES or NO only comment: Provide any additional comments or notes regarding the validation. This field is optional. • **Fields Not to Edit:** All other fields are automatically exported from the PCF digital tool and must not be modified, deleted, or overwritten by the user. This includes all identification, calculation, and metadata fields (e.g., gbu, site_code, plant_code, material_code, prod_year, bom_balance, tcc_rm_mapped, bcc_final, rci_fp, tcc_fp_estimated, etc.).			

4. Maintenance best practices

Please comply with the following instructions to maintain the file:
• Always keep the original structure (do not add/remove columns without approval).
• Update only the necessary fields.
• Save a backup copy before any major changes.
• Respect data confidentiality.

5. Contact Points

File owner	
Technical Support	Matthieu GUIRARDEL Laëtitia Arantes

For any questions or issues, please contact the responsible person listed above.
Please strictly follow these guidelines to ensure data quality and reliability.

TO BE DELETED:

Purpose of the file: This file is exported from Fact PCF table; Gsheet to be completed by Process Owner.

	gbu	site_code	site_name	plant_code	plant_name	material_code	material_name	prod_year	product_type	bom_balance	tcc_rm_mapped	bcc_final	rci_fp	tcc_fp_estimated	Source_biogenic_fp	fact_biogenic_is_valid	fact_biogenic_meta_insert_date	fact_biogenic_meta_run_id	fact_biogenic_meta_updated_date	validation_input	comment
Sample Data	CS	1307	ZHANGJIAGANG (FENGHUANG TOWN)	8160	6526 Zhangjiagang	WP1_400/101478	JAGUARC500BULK	2022	SIMPLE	0.837643	0.983673				Manual FP biogenic	YES	2024-04-11 16:46:14	qbIFs4	2024-05-23 20:47:25	yes	test
Mandatory?	Mandatory field; Must be filled	Mandatory field; Must be filled	Not mandatory field.	Mandatory field; Must be filled	Not mandatory field.	Mandatory field; Must be filled	Not mandatory field.	Mandatory field; Must be filled	Not mandatory field.	Mandatory field; Must be filled	Mandatory field; Must be filled	Not mandatory field.	Not mandatory field.	Not mandatory field.	Mandatory field; Must be filled	Mandatory field; Must be filled	Mandatory field; Must be filled	Mandatory field; Must be filled	Mandatory field; Must be filled	Not mandatory field.	Not mandatory field.
Data type	STRING	STRING	STRING	STRING	STRING	STRING	STRING	STRING	STRING	FLOAT	FLOAT	FLOAT	FLOAT	FLOAT	STRING	STRING	TIMESTAMP	STRING	TIMESTAMP	STRING	STRING
Field Description	SAP code of the Global Business Unit (CS for Novecare, SP for Speciality Polymers, TS for Technology Solutions, etc.)	Unique code assigned (for identification in Cerise) to the site where the material is produced	Name of the site where the material is produced	Unique code assigned (for identification in SAP) to the plant where the material is produced	Name of the plant where the material is produced	Unique code assigned to the material for identification in SAP	Name of the material in SAP	Year for which the biogenic KPIs are computed	Indicates if the product is simple (only the Finished product is produced during the process) or complex (BOM recipe contains materials produced simultaneously with the Finished product)	Proportion of raw materials quantities compared to the finish product quanti ty	Proportion of raw materials in the finished product recipe (BOM) for which biogenic data (TCC) is available	Biogenic Carbon Content of the material: amount of carbon in the finished product that is derived from renewable biological sources, measured in kgC per kg of product. BCC = TCC * RCI	Renewable Carbon Index of the material: percentage (%) of carbon in the material that comes from renewable sources, representing the ratio of renewable or biogenic carbon (BCC) to the total carbon content (TCC)	Total Carbon Content of the material: a mount of carbon present in one kilogram of a product, measured in kgC / kg of material	Source of biogenic data: can be manually imported ("Manual FP Biogenic") or computed by the PCF tool ("Computed FP biogenic")	Indicator confirming that the data is the most recent, valid, and relevant	Date on which the data was first calculated	Unique identifier assigned to the specific calculation process	Date on which the data was most recently updated	Evaluation of the data by the data owner = must be either YES or NO	Notes added by the data owner to highlight or explain the data inserted
Comment															Only 2 possible values: "Manual FP biogenic" or "Computed FP biogenic"					YES or NO only	

Data Owner - TBD