HYDROGEN_PEROXIDE_DATA

Column	Type
🔑 hp_id	integer
experiment_record_id	integer ↗
hp_type	integer
trial_no	integer
N	double(10,4)
M	double(10,4)
vol_change	double(10,4)
H2O2	double(10,4)
PH	double(10,4)
accepted_range	varchar(50)
date	date
initials	varchar(50)
conditions	varchar(256)
SG	varchar(256)

experiment_record_id

EXPERIMENT_RECORDS

Column	Type
🔑 record_id	integer ✓
LOT_NO	integer
project_title	varchar(256)
formulation_date	date
preparation_date	date
prepared_by	varchar(256)
quantity	double(10,2)
total_percentage_w	double(10,2)
total_AR	double(10,2)
total_AD	double(10,2)
notes	varchar(600)
preparation_reason	varchar(600)
observations	varchar(600)
obs_description	varchar(256)
rating	varchar(256)
date_created	datetime
date_updated	datetime

experiment_record_id

RAW_MATERIALS

Column	Type
🔑 raw_material_id	integer
experiment_record_id	integer ↗
percentage_w	double(10,2)
raw_material_lot	integer
AR	double(10,2)
AD	double(10,2)
notes	varchar(600)

Default Layout

Table EXPERIMENT_RECORDS

	Column	Type	Description
* Pk	record_id	integer	
*	LOT_NO	integer	
*	project_title	varchar(256)	
*	formulation_date	date	
*	preparation_date	date	
*	prepared_by	varchar(256)	
*	quantity	double(10,2)	Quantity in grams
*	total_percentage_w	double(10,2)	
*	total_AR	double(10,2)	
*	total_AD	double(10,2)	
	notes	varchar(600)	
	preparation_reason	varchar(600)	
	observations	varchar(600)	
	obs_description	varchar(256)	Single word description of experiment (e.g transparent)
	rating	varchar(256)	rating of experiment (good/bad)
*	date_created	datetime	
	date_updated	datetime	

Indexes

Pk	Pk_EXPERIMENT_RECORDS_record_id	record_id

Table HYDROGEN_PEROXIDE_DATA

list of hydrogen peroxide and hydrogen peroxide stability results for the experiment records

	Column	Type	Description
* Pk	hp_id	integer	
*	experiment_record_id	integer	
*	hp_type	integer	records the type of HP data recorded (hydrogen peroxide or hyrdogen peroxide stability)
*	trial_no	integer	
*	N	double(10,4)	
	M	double(10,4)	
	vol_change	double(10,4)	change in volume in ml
*	H2O2	double(10,4)	
	PH	double(10,4)	
	accepted_range	varchar(50)	
	date	date	
	initials	varchar(50)	
	conditions	varchar(256)	
	SG	varchar(256)	

Indexes

Pk	Pk_HYDROGEN_PEROXIDE_DATA_hp_id	hp_id

Foreign Keys

	Fk_HYDROGEN_PEROXIDE_DATA_record (experiment_record_id) ref EXPERIMENT_RECORDS (record_id)	

Table RAW_MATERIALS

list of all raw materials

	Column	Type	Description
* Pk	raw_material_id	integer	
*	experiment_record_id	integer	foreign key which links the raw materials to the record_id from EXPERIMENT_RECORDS table
*	percentage_w	double(10,2)	
	raw_material_lot	integer	
*	AR	double(10,2)	

Table RAW_MATERIALS

*	AD	double(10,2)	
	notes	varchar(600)	

Indexes

Pk	Pk_RAW_MATERIALS_raw_material_id	raw_material_id	

Foreign Keys

	Fk_RAW_MATERIALS_id (experiment_record_id) ref EXPERIMENT_RECORDS (record_id)		

Table RAW_MATERIALS

*	AD	double(10,2)	
	notes	varchar(600)	

Indexes

Pk	Pk_RAW_MATERIALS_raw_material_id	raw_material_id	

Foreign Keys

	Fk_RAW_MATERIALS_id (experiment_record_id) ref EXPERIMENT_RECORDS (record_id)		