Vineyards
vineyard_id	integer
name	varchar
location	varchar
area	decimal
soil_type	varchar
grape_variety	varchar
climate	varchar
planting_date	date

WineProduction
vineyard_id	integer
production_id	integer
grape_variety_id	integer
batch_id	integer
production_date	date
wine_type	varchar
aging_id	integer

GrapeVarieties
grape_variety_id	integer
variety_name	varchar
optimal_harvest_time	date
wine_type	varchar

WineVarieties
production_id	integer
grape_variety_id	integer
wine_variety_id	ineteger
wine_type	varchar
region	varchar
average_price	decimal
alcohol_percentage	decimal

QualityControl
control_id	integer
stage_id	integer
parameter_name	varchar
acceptable_range	varchar
actual_value	varchar
result	varchar
reason_for_failure	varchar
production_id	integer
map_id	integer
batch_id	integer

Batches
production_id	integer
batch_id	integer
quantity	integer
batch_date	date
production_date	date

TechnologicalMaps
production_id	integer
map_id	integer
map_name	varchar
description	text
stage_id	integer
resource_id	integer
quantity_required	decimal
operation_order	integer
equipment_used	varchar
aging_id	integer
barrel_id	integer

ProductionStages
stage_id	integer
stage_name	varchar
description	text
related_operations	varchar

Bottles
bottle_id	integer
size	varchar
material	varchar
color	varchar
manufacturer	varchar
production_date	date
bottle_supplier_id	integer
production_id	integer

Barrels
barrel_id	integer
volume	decimal
wood_type	varchar
capacity	decimal
last_cleaning_date	date
condition	varchar
aging_duration_months	integer
aging_id	integer
barrel_supplier_id	integer

Equipment
equipment_id	integer
equipment_type	varchar
description	text
location	varchar
installation_date	date
production_stage_id	integer

BottleSuppliers
bottle_supplier_id	integer
name	varchar
contact_info	varchar

Aging
aging_id	integer
duration_months	integer
description	text

BarrelSuppliers
barrel_supplier_id	integer
name	varchar
contact_info	varchar

Vineyards
vineyard_id 🔑	integer
name	varchar
location	varchar
area	decimal
soil_type	varchar
grape_variety	varchar
climate	varchar
planting_date	date

WineProduction
vineyard_id	integer
production_id 🔑	integer
grape_variety_id	integer
batch_id	integer
production_date	date
wine_type	varchar
aging_id	integer

GrapeVarieties
grape_variety_id 🔑	integer
variety_name	varchar
optimal_harvest_time	date
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reason_for_failure	varchar
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batch_id 🔑	integer
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batch_date	date
production_date	date

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barrel_id	integer

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production_id	integer

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aging_id	integer
barrel_supplier_id	integer

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equipment_type	varchar
description	text
location	varchar
installation_date	date
production_stage_id	integer

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name	varchar
contact_info	varchar

Aging
aging_id 🔑	integer
duration_months	integer
description	text

BarrelSuppliers
barrel_supplier_id 🔑	integer
name	varchar
contact_info	varchar

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