**UserRoleMaster (ex: Admin/Operator/LabTechnician/etc)**

|  |  |  |
| --- | --- | --- |
| RoleId | TinyInt | Pk (auto increment) |
| RoleName | nvarchar(50) | Not null |
| RoleAlias | nvarchar(50) | Not null |
| IsActive | Bit | Default true |

**UserMaster**

|  |  |  |
| --- | --- | --- |
| UserId | Unique identifier | Pk |
| RoleId | Tinyint | Fk with UserRoleMaster, not null |
| FirstName | nvarchar(50) | Not null |
| LastName | nvarchar(50) | Not null |
| EmailId | nvarchar(50) | null |
| EmployeeId | nvarchar(50) | null |
| Password | nvarchar(max) | Not null |
| IsActive | Bit | Default true |
| LastUpdatedBy | Unique identifier | Not null |
| LastUpdatedOnUTC | Datetime | Not null |

**CompanySetup (data of Extrupet to show at bills, slips etc)**

|  |  |  |
| --- | --- | --- |
| CompanyId | Tinyint | Pk (auto) |
| CompanyName | Nvarchar (100) | Not null |
| Address | Nvarchar (max) | Not null |
| Tel | Nvarchar (50) | Not null |
| Fax | Nvarchar (50) | Not null |
| LastUpdatedOnUTC | Datetime | Not null |
| LastUpdatedBy | Unique identifier | No fk |

**GradeTypeMaster (ex: Food/Technical/etc)**

|  |  |  |
| --- | --- | --- |
| GradeTypeId | Tinyint | Pk (auto) |
| GradeType | nvarchar(20) | Not null |

**ProductMaster (ex: Food grade Recycled PET/ etc)**

|  |  |  |
| --- | --- | --- |
| ProductId | Unique identifier | Pk |
| ProductName | nvarchar(500) | Not null |
| LastUpdatedOnUTC | Datetime | Not null |
| LastUpdatedBy | Unique identifier | No fk |
| GradeTypeId | tinyint | Fk with GradeTypeMaster, not null |

**GradeMaster (ex : Phoenixpet - 990/Phoenixpet - 1000/etc)**

|  |  |  |
| --- | --- | --- |
| GradeId | Tinyint | Pk (auto) |
| GradeName | Nvarchar(100) | Not null |
| IsActive | Bit | Not null, default true |
| LastUpdatedOnUTC | Datetime | Not null |
| LastUpdatedBy | Unique identifier | No FK |

**QualityMeasurementUnitMaster (ex: dl/gm, CIE, etc)**

|  |  |  |
| --- | --- | --- |
| QualityMeasurementUnitId | Tinyint | Pk (auto) |
| QualityMeasurementUnitName | nvarchar(20) | Not null |
| IsActive | Bit | Not null, default true |

**QualityParameterMaster (ex: Intrinsic Viscosity\*1/Colour L\*2/etc)**

|  |  |  |
| --- | --- | --- |
| QualityParameterId | Smallint | Pk (auto) |
| QualityParameterName | nvarchar(50) | Not null |
| QualityMeasurementUnitId | tinyint | Fk with QualityMeasurementUnitMaster, not null |
| IsActive | Bit | Default true, not null |
| LastUpdatedOnUTC | Datetime | Not null |
| LastUpdatedBy | Unique identifier | No FK |

**TestMethodMaster (ex: PFB2B 3.1/PFB2B 3.5/etc)**

|  |  |  |
| --- | --- | --- |
| TestMethodId | Tinyint | Pk (auto) |
| TestMethodName | Nvarchar(100) | Not null |
| IsActive | Bit | Default true, not null |

**GradeWiseQualityParameterBaseData (This will relate the grade wise quality parameter table with base value, test method, etc)**

|  |  |  |
| --- | --- | --- |
| BaseDataId | Int | Pk (auto) |
| GradeId | Tinyint | FK with GradeMaster, not null |
| QualityParameterId | Smallint | Fk with QualityParameterMaster, not null |
| BaseValue | nvarchar(50) | Not null |
| TestMethodId | Tinyint | FK with TestMethodMaster, **null** (because some data may not have test method) |
| LastUpdatedOnUTC | Datetime | Not null |
| LastUpdatedBy | Unique identifier | No fk |

**BagMaster (to be confirmed some fields....)**

|  |  |  |
| --- | --- | --- |
| BagId | Int | Pk (auto) |
| ProductId | Int | FK Product master, not null |
| ReceivedFrom | nvarchar(500) | null |
| BagNoPrefix | nvarchar(5) | Not null |
| BagNoYear | Int | Not null |
| BagNoMonth | Int | Not null |
| BagNoSerial | Int | Not null |
| BagNoGeneratedSerial | nvarchar(100) | Not null |
| BatchNo |  |  |
| BagReceivedOnUTC | datetime | Not null |
| GrossWeight | decimal | Not null |
| NettWeight | Decimal | Not null |
| WeightUnit | Nvarchar(3) | Not null |
| OperatorId | Int | FK with usermaster, Not null |
| Barcode | Nvarchar(200) | Not null |
| LastUpdatedOnUTC | Datetime | Not null |
| LastUpdatedBy | Int | FK with usermaster, Not null |
| MachineNumber | nvarchar(50) | null |