

BITTER

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **40**
- SRM **5.5**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

Batch size

- Expected quantity of finished beer **9.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **13.1 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **7.4 liter(s)**
- Total mash volume **9.6 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|-----------------|-------|-----|
| Grain | Briess - Pale Ale Malt | 2 kg (94.1%) | 80 % | 7 |
| Grain | Biscuit Malt | 0.125 kg (5.9%) | 79 % | 50 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------------|--------|--------|------------|
| Boil | Marynka | 15 g | 60 min | 8.8 % |
| Boil | Styrian Golding | 23 g | 10 min | 4.8 % |