

EPA

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **46**
- SRM **5.6**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **4.5 liter(s) / kg**
- Mash size **25.9 liter(s)**
- Total mash volume **31.6 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|-----------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (87%) | 80 % | 5 |
| Grain | Karmelowy Jasny 30EBC | 0.375 kg (6.5%) | 75 % | 30 |
| Grain | Strzegom Bursztynowy | 0.375 kg (6.5%) | 70 % | 49 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------------------|--------|--------|------------|
| Boil | Challenger | 63 g | 60 min | 7 % |
| Aroma (end of boil) | East Kent Goldings | 63 g | 5 min | 5.1 % |