

## EPA

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- 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 %      |