

#5 bitter

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **34**
- SRM **13.6**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

Batch size

- Expected quantity of finished beer **10.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.3 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|-----------------------------------|----------------|-------|-----|
| Liquid Extract | Bruntal ekstrakt słodowy Pale Ale | 1.7 kg (81%) | 80 % | 35 |
| Grain | Strzegom Bursztynowy | 0.3 kg (14.3%) | 50 % | 49 |
| Grain | Strzegom Karmel 300 | 0.1 kg (4.8%) | 50 % | 200 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------------------|--------|--------|------------|
| Boil | East Kent Goldings | 20 g | 60 min | 6 % |
| Boil | East Kent Goldings | 10 g | 20 min | 6 % |
| Aroma (end of boil) | East Kent Goldings | 10 g | 1 min | 6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 11 g | Fermentis |