

Warka 4

- Gravity **10 BLG**
- ABV **4 %**
- IBU **25**
- SRM **4.3**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **6 liter(s)**
- Total mash volume **8 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|-------------|-------|-----|
| Grain | Słód Pale Ale (Strzegom) | 2 kg (100%) | 79 % | 7 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------------|--------|----------|------------|
| Boil | Extra Styrian Dana | 7 g | 50 min | 13.2 % |
| Boil | Perle (PL) | 10 g | 10 min | 4.2 % |
| Dry Hop | Summer | 18 g | 3 day(s) | 6.4 % |
| Dry Hop | Perle (PL) | 12 g | 3 day(s) | 4.2 % |
| Dry Hop | Lublin (Lubelski) | 30 g | 3 day(s) | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 4 g | --- |