

PPA

- Gravity **11 BLG**
- ABV ---
- IBU **38**
- SRM ---
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **2 %/h**
- Boil size **21.4 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|---------|----------------|-------|-----|
| Liquid Extract | brewkit | 1.7 kg (56.7%) | 100 % | --- |
| Liquid Extract | ekstakt | 0.8 kg (26.7%) | 100 % | --- |
| Sugar | cukier | 0.5 kg (16.7%) | 100 % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------|--------|----------|------------|
| Boil | lunga | 20 g | 40 min | 11 % |
| Boil | Lublin (Lubelski) | 20 g | 30 min | 4 % |
| Aroma (end of boil) | Lublin (Lubelski) | 20 g | 15 min | 4 % |
| Dry Hop | lunga | 30 g | 3 day(s) | 11 % |
| Dry Hop | Lublin (Lubelski) | 60 g | 2 day(s) | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 11.5 g | Safale |