

Pupcingnieróbstwo

- Gravity **18.7 BLG**
- ABV **8.1 %**
- IBU **80**
- SRM **7.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **45 liter(s)**
- Trub loss **5 %**
- Size with trub loss **47.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **57 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **51 liter(s)**
- Total mash volume **68 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Pilzneński | 15 kg (88.2%) | 81 % | 4 |
| Grain | Abbey Malt Weyermann | 2 kg (11.8%) | 75 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------|--------|--------|------------|
| Boil | Mosaic | 60 g | 60 min | 11 % |
| Boil | Jarrylo | 60 g | 45 min | 14.1 % |
| Boil | Enigma (AUS) | 40 g | 45 min | 17.4 % |
| Boil | Mosaic | 0 g | 30 min | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 50 g | Safale |

Extras

| Type | Name | Amount | Use for | Time |
|-------|----------------|----------------|---------|---------|
| Other | URLOPNAŻĄDANIE | 999999999999 g | Boil | 540 min |