

PIPA

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **63**
- SRM **11.5**
- Style **Red IPA**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------|------------|-------|-----|
| Grain | Strzegom Pale Ale | 3 kg (60%) | 79 % | 6 |
| Grain | Weyermann - Caraamber | 1 kg (20%) | 75 % | 65 |
| Grain | Weyermann - Carared | 1 kg (20%) | 75 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Iunga | 30 g | 60 min | 11 % |
| Boil | Oktawia | 10 g | 30 min | 7.1 % |
| Boil | Oktawia | 10 g | 15 min | 7.1 % |
| Boil | Marynka | 30 g | 10 min | 10 % |
| Boil | Oktawia | 10 g | 5 min | 7.1 % |

Extras

| Type | Name | Amount | Use for | Time |
|-------|-----------------------|--------|---------|--------|
| Spice | WIÓRKI SUSZONE BURAKA | 50 g | Boil | 10 min |