

Człowiek Widmo#4

- Gravity **22.9 BLG**
- ABV **10.4 %**
- IBU **72**
- SRM **8.9**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **15 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.5 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|-----------------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (54.3%) | 80 % | 5 |
| Grain | Pilzneński | 1 kg (10.9%) | 81 % | 4 |
| Grain | Pszeniczny | 1 kg (10.9%) | 85 % | 4 |
| Grain | Płatki owsiane | 0.5 kg (5.4%) | 85 % | 3 |
| Liquid Extract | Bruntal ekstrakt słodowy pale ale | 1.7 kg (18.5%) | 100 % | 35 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | Citra | 30 g | 60 min | 12.8 % |
| Boil | Citra | 30 g | 30 min | 12.8 % |
| Boil | Citra | 60 g | 1 min | 12.8 % |
| Boil | Citra | 30 g | 45 min | 12.8 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 23 g | Fermentis |