

#003 IGOR'S NEW ZEALAND PALE ALE

- Gravity **11.7 BLG**
- ABV ---
- IBU **35**
- SRM **7.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.8 liter(s)**
- Total mash volume **13 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 1 kg (30.7%) | 80 % | 4 |
| Grain | Strzegom Pale Ale | 1 kg (30.7%) | 79 % | 6 |
| Grain | Karmelowy Czerwony | 0.4 kg (12.3%) | 75 % | 59 |
| Grain | Strzegom Bursztynowy | 0.3 kg (9.2%) | 70 % | 49 |
| Grain | Płatki orkiszowe | 0.16 kg (4.9%) | 80 % | 4 |
| Grain | Płatki owsiane | 0.4 kg (12.3%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Cascade | 10 g | 60 min | 6.8 % |
| Boil | Motueka | 10 g | 20 min | 8 % |
| Boil | WAI-ITI | 10 g | 20 min | 2.8 % |
| Boil | Cascade | 10 g | 20 min | 6.8 % |
| Boil | Motueka | 10 g | 5 min | 8 % |
| Boil | WAI-ITI | 10 g | 5 min | 2.8 % |
| Boil | Cascade | 10 g | 5 min | 6.8 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale | Slant | 100 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech urlandzki | 4 g | Boil | 15 min |