

## polska sesion ipka

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **35**
- SRM **3.2**

### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **16.4 liter(s)**
- Total mash volume **21.1 liter(s)**

### Fermentables

| Type  | Name                | Amount         | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 3.5 kg (74.5%) | 80 %  | 4   |
| Grain | Płatki owsiane      | 0.2 kg (4.3%)  | 60 %  | 3   |
| Grain | Pszeniczny          | 1 kg (21.3%)   | 85 %  | 4   |

### Hops

| Use for   | Name        | Amount | Time     | Alpha acid |
|-----------|-------------|--------|----------|------------|
| Boil      | Zombie      | 10 g   | 60 min   | 9.8 %      |
| Boil      | EXP 2/20    | 5 g    | 15 min   | 9.3 %      |
| Boil      | EXP 3/20    | 5 g    | 15 min   | 9 %        |
| Boil      | Amora Preta | 15 g   | 15 min   | 7.4 %      |
| Boil      | Vermelho    | 5 g    | 15 min   | 9.1 %      |
| Whirlpool | EXP 2/20    | 10 g   | 15 min   | 9.3 %      |
| Whirlpool | EXP 3/20    | 10 g   | 15 min   | 9 %        |
| Whirlpool | Vermelho    | 10 g   | 15 min   | 9.1 %      |
| Whirlpool | Amora Preta | 30 g   | 15 min   | 7.4 %      |
| Dry Hop   | Vermelho    | 35 g   | 3 day(s) | 9.1 %      |
| Dry Hop   | EXP 2/20    | 35 g   | 3 day(s) | 9.3 %      |
| Dry Hop   | EXP 3/20    | 35 g   | 3 day(s) | 9 %        |
| Dry Hop   | Amora Preta | 55 g   | 3 day(s) | 7.4 %      |