

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **52**
- SRM **4.7**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------|------------|-------|-----|
| Grain | Strzegom Pale Ale | 3 kg (50%) | 79 % | 6 |
| Grain | Pszoniczny | 3 kg (50%) | 85 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------|--------|--------|------------|
| Boil | Cashmere | 20 g | 60 min | 7.3 % |
| Boil | Sorachi Ace | 10 g | 60 min | 13.8 % |
| Aroma (end of boil) | Sorachi Ace | 15 g | 15 min | 13.8 % |
| Aroma (end of boil) | cashmere | 25 g | 15 min | 7.3 % |
| Whirlpool | Citra | 25 g | 3 min | 12 % |
| Whirlpool | Amarillo | 50 g | 3 min | 8.4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------------|------|--------|------------|------------------|
| FM54 Gorączka kalifornijska | Ale | Liquid | 9.0E+22 ml | Fermentum Mobile |